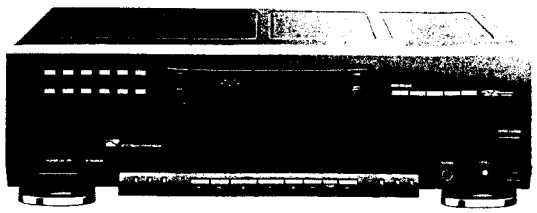
Compact disc player CDC925/00S/05S/10S/17S

CDC935/00S/05S/10S/17S

Service
Service
Service



Service Manual

TABLE OF CONTENTS **PAGE**

1. Technical specifications 2
2. Controls and connections 3
3. Warnings 4
4. Dismantling instructions 5-10
5. Servicing hints 11-13
6. Block diagram 14
7. Wiring diagram 15
8. Circuit diagrams and printed boards
   - 8.1. Power supply 16
   - 8.2. Variable headphone 17
   - 8.3. Keyboard 17
   - 8.4. Servo circuit diagram and printed board 18-19
   - 8.5. Decoder circuit diagrams and printed board 20-23
   - 8.6. Control & display, I.R. CDC925 24-25
   - 8.7. Control & display, I.R. CDC935 26-27
9. Start up procedure 28
10. Faultfinding guide 28
11. Service testprogram 29
12. Specicifications measurements 29
13. Exploded view cabinet 30
14. Exploded view loading 31
15. Mechanical partslist 31
16. Electrical partslist 32-36

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4822 725 24009

PHILIPS

MC-Service

PHILIPS

PCS 60 161

TECHNICAL SPECIFICATIONS

General

1. Mains voltage	/00S	: 220V (±10%) 50 Hz
	/01S	: 110V-127V-220V-240V 50Hz Selectable by Voltage Selector
	/05S	: 240V (±10%) 50 Hz
	/10S	: 240V (±10%) 50 Hz
	/17S	: 117V (±10%) 60 Hz
2. Mains voltage selection		: See circuit diagram Power Supply
3. Power consumption mains,operated		: 9W

Line output

1. Number of channels	: 2
2. Output voltage	: 2 Vrms ± 3dB
3. Unbalance left-right	: max. ± 1,2dB
4. Output resistance	: 1 kΩ
5. Amplitude linearity	: max. ±0,5dB from 20 Hz to 20 kHz
6. Phase non-linearity	: max. ±0,5° from 20 Hz to 20 kHz
7. Signal to noise ratio	: min. 84dB from 20 Hz to 20 kHz
8. Dynamic range	: min. 70dB from 20 Hz to 20 kHz
9. Total harmonic distortion + noise	: min. 60dB from 20 Hz to 20 kHz
10. Out-band attenuation	: min 35dB above 40 kHz
11. Channel separation	: min. 70dB from 20 Hz to 20 kHz
12. Muting during random access	: min. 88dB from 20 Hz to 20 kHz
13. Automatic switched deemphasis with time constant	: 15/50 µs
14. Non-linearity at -90dB	: min. ± 2dB

Variable headphone (low end)

1. Output voltage	: max. 5 Vrms ± 3dB
2. Unbalance left-right	: max. ± 1,2dB
3. Output resistance	: 120 Ohm
4. Load impedance range	: 32 Ohm to 600 Ohm load
5. Output power	: 0 to 30 mW into 30 Ohm load
	: 0 to 50 mW into 150 Ohm load
	: 0 to 30 mW into 600 Ohm load
Audio specs in case of 600 Ohm load at 4 Vrms voltage output	
6. Signal to noise ratio	: typ. 80 dB
7. Dynamic range	: min. 70 dB from 20 Hz to 20 kHz
8. Total harmonic distortion	: min. 60 dB from 20 Hz to 20 kHz
9. Channel separation	: min. 70 dB (1 kHz)
	: min. 65 dB from 31,5 Hz to 16 kHz

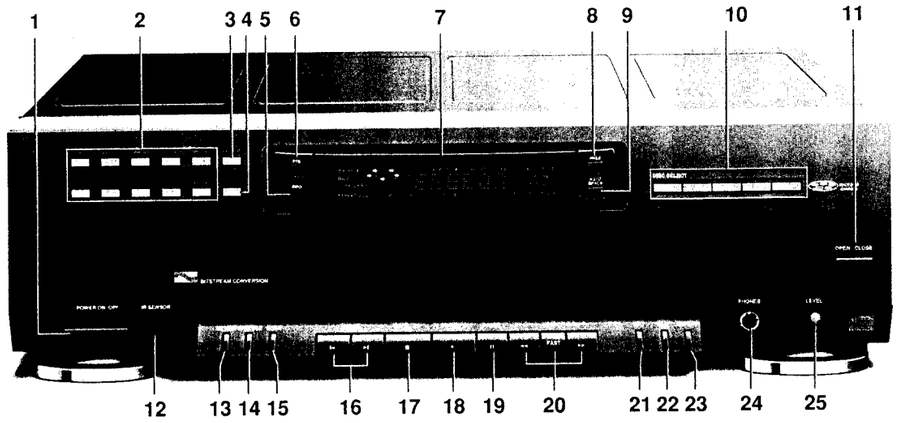
Dimensions and weight

1. Apparatus tray closed	: WxDxH 435 x 300 x 90/106 mm
2. Apparatus tray open	: WxDxH 435 x 500 x 90/106 mm
3. Weight	: 7,5 kg

Optical read-out system

1. Laser type	: Semiconductor AlGaAs
2. Wavelength	: 780 nm ± 20 nm
3. Light output (c.w.)	: max. 0,5 mW

CONTROLS AND CONNECTIONS

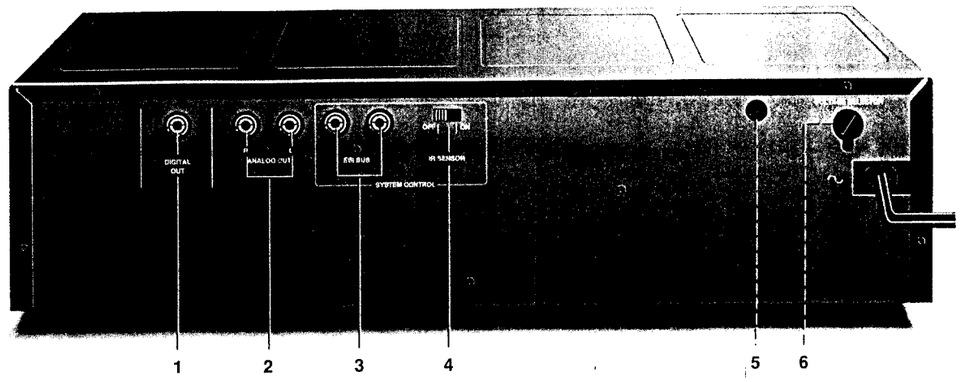


CONTROLS

Indication on Player	Indication in Diagram CDC925	CDC935
1. POWER ON/OFF	1500	1500
2. 1-0 digit keys	1435	1426
	1431	1427
	1427	1428
	1428	1429
	1432	1432
	1433	1433
	1429	1434
	1425	1435
	1426	1436
	1430	1437
3. P(rogram)	1436	1455
4. C(ancel)	1434	1456
5. INFO	not	1458
6. FTS	not	1457
7. DISPLAY	1400	1402
8. PRESET	not	1430
9. AUTO SPACE	not	1431
10. DISC SELECT	1420	1420
	1421	1421
	1422	1422
	1423	1423
	1424	1424

Indication on Player	Indication in Diagram CDC925	CDC935
11. OPEN/CLOSE	1437	1425
12. INFRA RED SENSOR	7460	7460
13. REVIEW	1441	1441
14. SHUFFLE	1438	1438
15. SCAN	1439	1439
16. < TRACK >	1440	1440
	1444	1444
17. STOP/CP	1443	1451
18. PLAY/REPLAY	1442	1452
19. PAUSE	1445	1453
20. << SEARCH >>	1446	1446
	1447	1454
FAST	not	1447
21. EDIT	1449	1449
22. TIME	1450	1450
23. REPEAT	1448	1448
24. PHONES	1371	1371
25. LEVEL	3380	3380
26. QUICK PLAY	1633	1633
27. LOAD	1631	1631

3



CONNECTIONS

Indication on Player	Indication in Diagram
1. DIGITAL OUT (ONLY CDC935)	1814
2. ANALOG OUT	1300
3. ESI BUS	1750
4. IR SENSOR ON OFF	1740
5. MAINS FUSE HOLDER (only /01)	24
6. VOLTAGE SELECTOR (only /01)	1543

(GB) WARNING

All ICs and many other semi-conductors are susceptible to electrostatic discharges (ESD)
Careless handling during repair can reduce life drastically
When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance.
Keep components and tools also at this potential.

ESD

(F) ATTENTION

Tous les IC et beaucoup d'autres semi-conducteurs sont sensibles aux decharges statiques (ESD).
Leur longevite pourrait être considerablement ecourtee par le fait qu aucune precaution n'est prise a leur manipulation.
Lors de reparations, s assurer de bien être relie au même potentiel que la masse de l'appareil et enfiler le bracelet serti d'une resistance de securite.
Veiller a ce que les composants ainsi que les outils que l on utilise soient egalement a ce potentiel.

(D) WARNUNG

Alle ICs und viele andere Halbleiter sind empfindlich gegen elektrostatische Entladungen (ESD).
Unsorgfältige Behandlung bei der Reparatur kann die Lebensdauer drastisch vermindern.
Sorgen sie dafür, dass Sie im Reparaturfall über ein Pulsarmband mit Widerstand mit dem Massepotential des Gerätes verbunden sind.
halten Sie Bauteile und Hilfsmittel ebenfalls auf diesem Potential.

(NL) WAARSCHUWING

Alle IC's en vele andere halfgeleiders zijn gevoelig voor electrostatische ontladingen (ESD).
Onzorgvuldig behandelen tijdens reparatie kan de levensduur drastisch doen verminderen.
Zorg ervoor dat u tijdens reparatie via een polsband met weerstand verbonden bent met hetzelfde potentiaal als de massa van het apparaat.
Houd componenten en hulpmiddelen ook op ditzelfde potentiaal.

(I) AVVERTIMENTO

Tutti IC e parecchi semi-conduttori sono sensibili alle scariche statiche (ESD).
La loro longevità potrebbe essere fortemente ridatta in caso di non osservazione della più grande cauzione alla loro manipolazione.
Durante le riparazioni occorre quindi essere collegato allo stesso potenziale che quello della massa dell'apparecchio tramite un braccialetto a resistenza.
Assicurarsi che i componenti e anche gli utensili con quali si lavora siano anche a questo potenziale.

(GB)
Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used.

(NL)
Veiligheidsbepalingen vereisen, dat het apparaat in zijn oorspronkelijke toestand wordt teruggebracht en dat onderdelen, identiek aan de gespecificeerde worden toegepast.

(D)
Bei jeder Reparatur sind die geltenden Sicherheitsvorschriften zu beachten. Der Originalzustand des Gerats darf nicht verandert werden fur Reparaturen sind Original-Ersatzteile zu verwenden.

(I)
Le norme di sicurezza esigono che l'apparecchio venga rimesso nelle condizioni originali e che siano utilizzati pezzi di ricambiago identici a quelli specificati.

(F)
Les normes de securité exigent que l'appareil soit remís à l'état d'origine et que soient utilisees les pièces de rechange identiques à celles spécifiees.

S Varning!

Osynlig laserstralning nar apparaten ar oppnad och spärrenar urkopplad.
Betrakta ej stralen.

SF Varo!

Avatussa laitteessa ja suojalukituksen ohitettaessa olet alttiina nakymattomalle laserisateilylle. Ala katso sateeseen!

DK Advarsel!

Usynlig laserstraling ved abning. Undga unsaettelse for straling.

CAUTION
Invisible laser radiation when open.
Avoid exposure to beam.

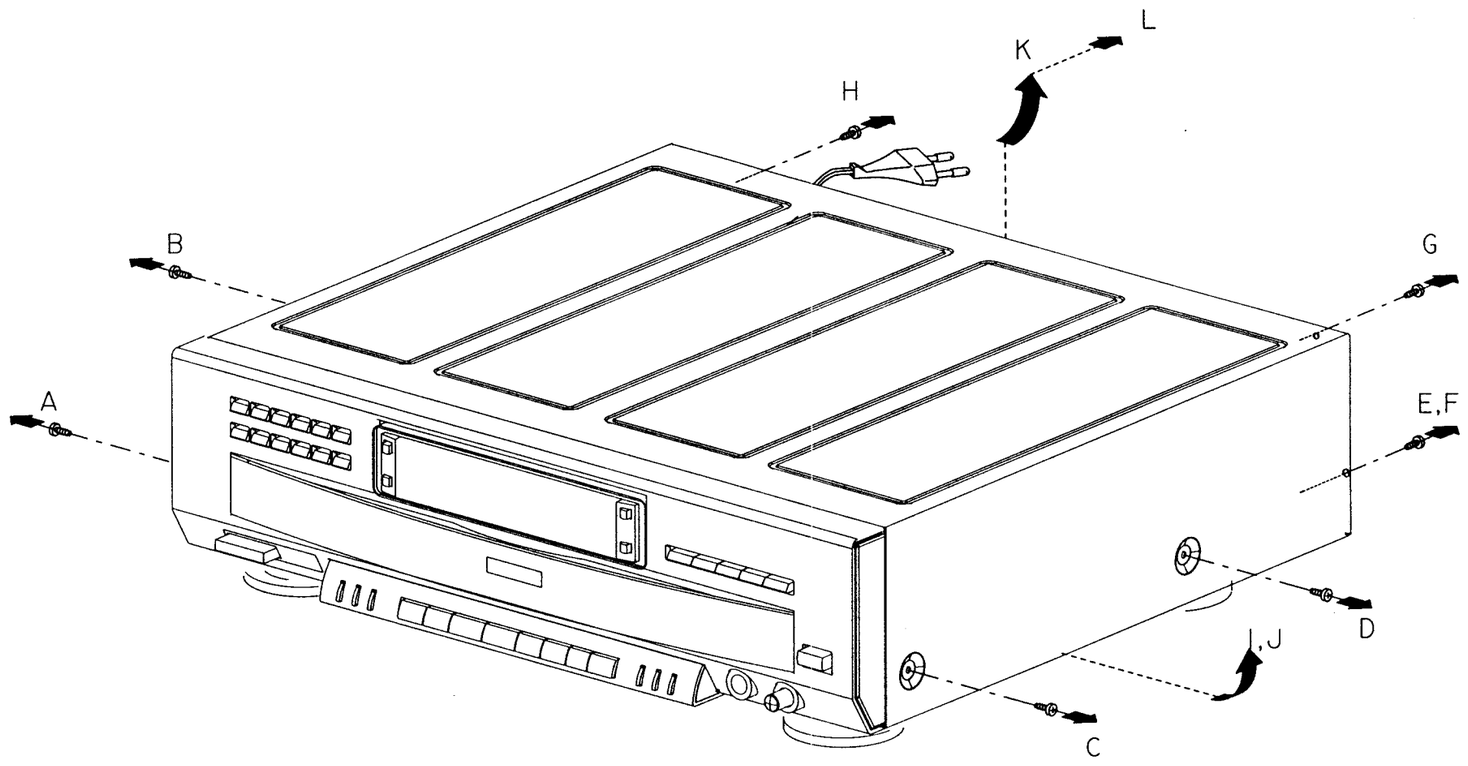
DANGER
Invisible laser radiation when open.
Avoid direct exposure to beam

CLASS 1
LASER PRODUCT
3122 110 03420

"Pour votre securite, ces documents doivent être utilisés par des specialistes agrees, seuls habilités à reparer votre appareil en panne"

5

DISMANTLING INSTRUCTIONS
DEMOUNTING OF COVER

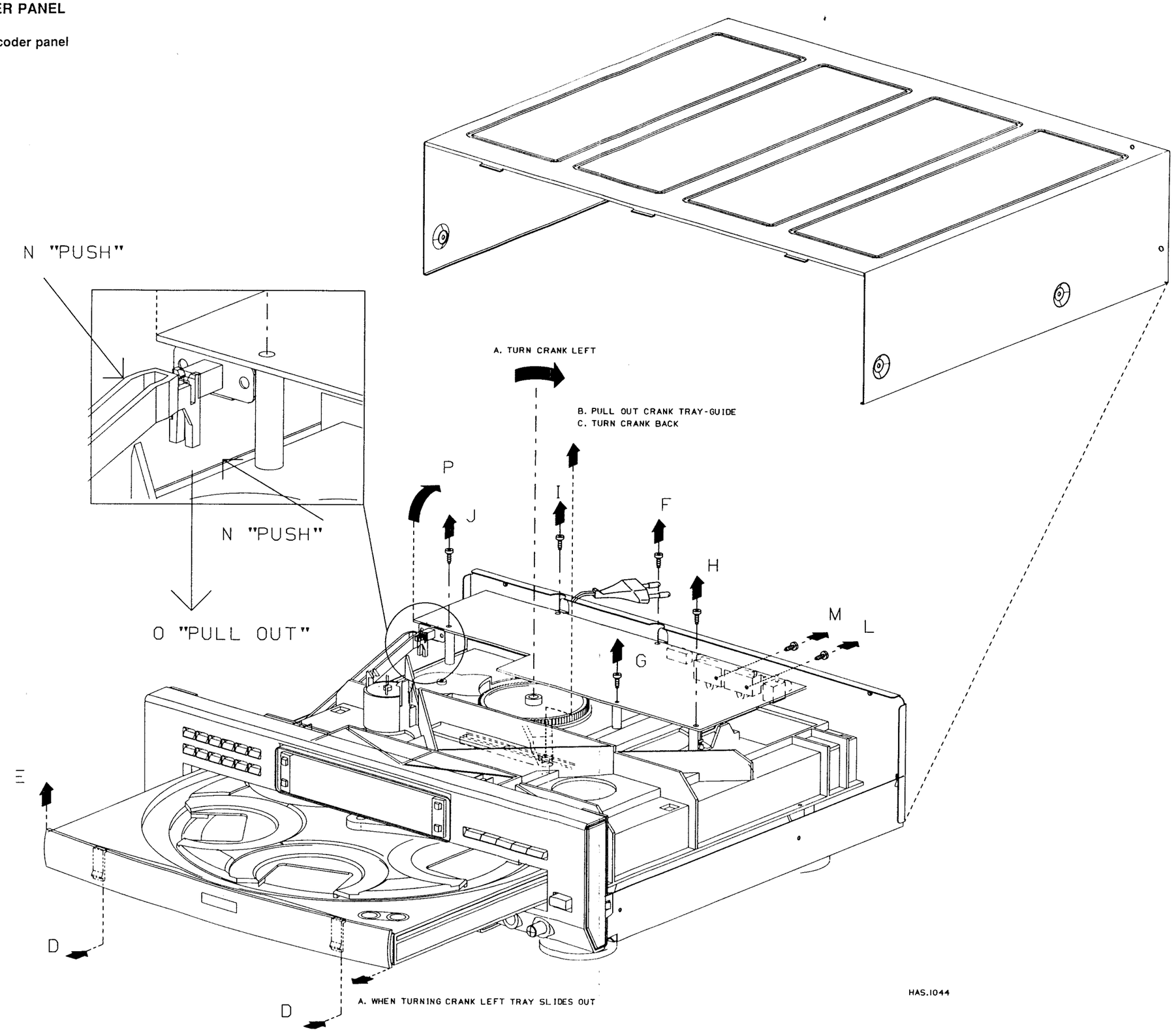


HAS.1043

6

PULL OUT OF TRAY
DEMOUNTING OF TRAYFRONT
DEMOUNTING OF DECODER PANEL

NOTE: Before demounting decoder panel remove backplate.



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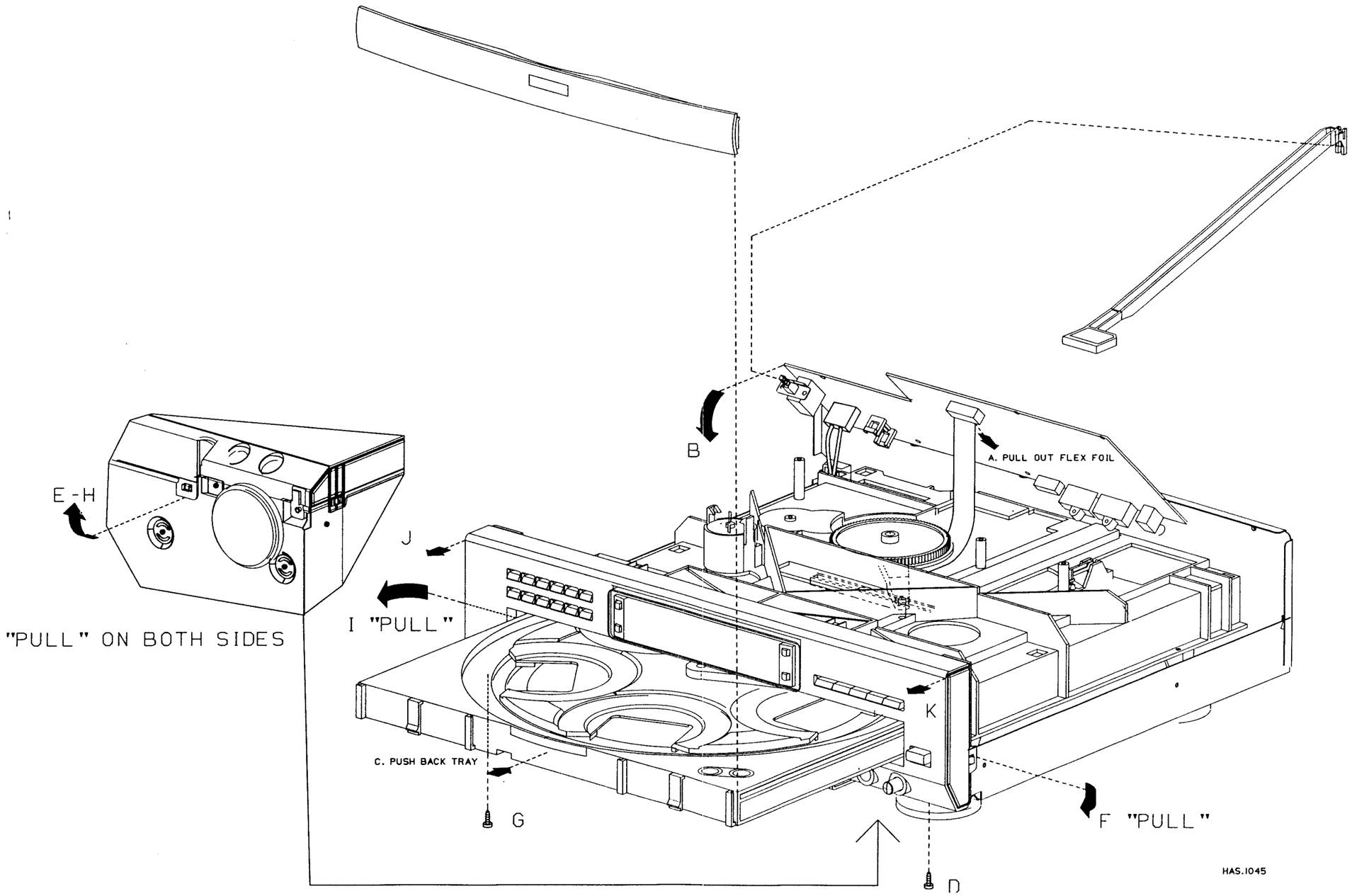
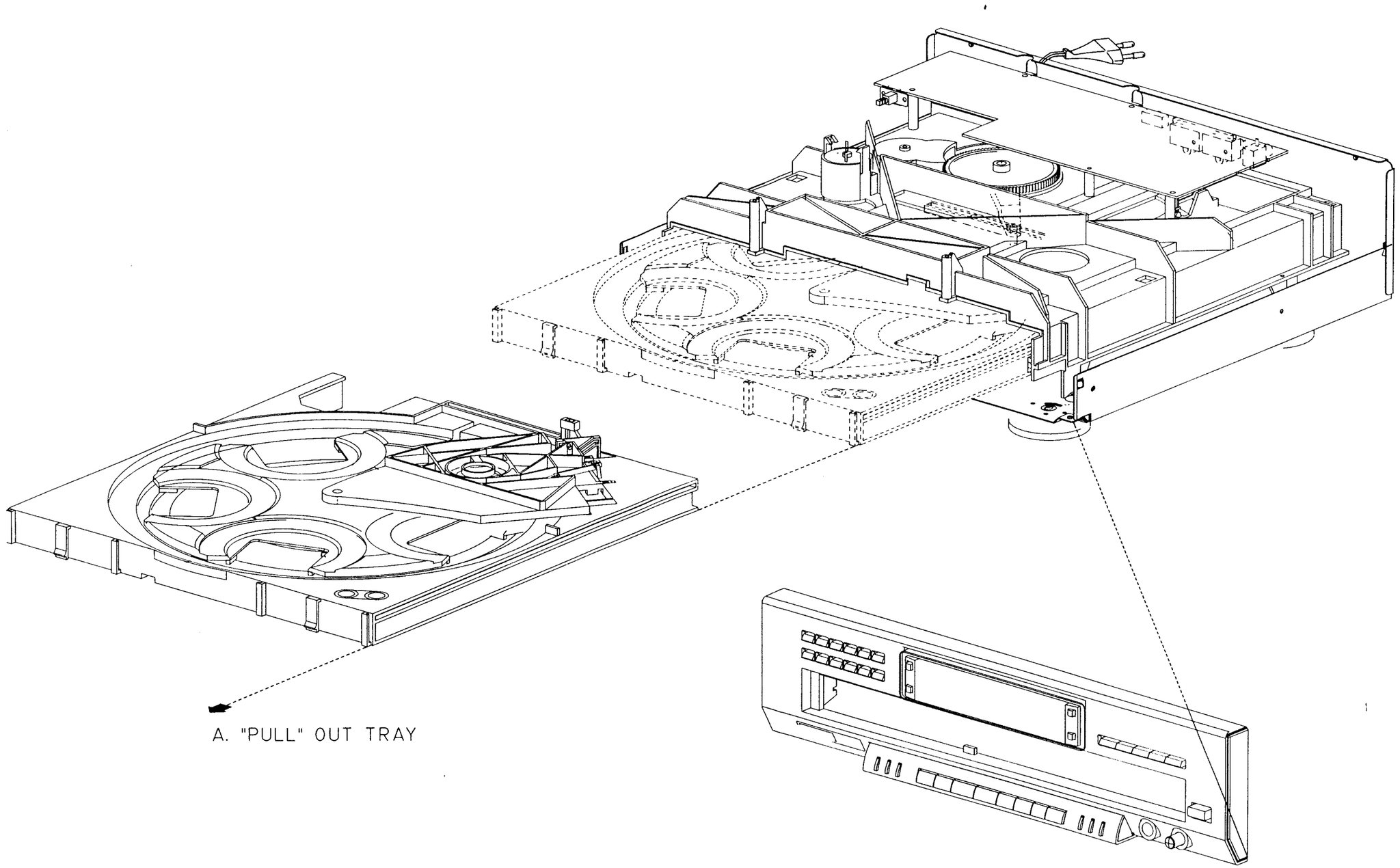
PULL OUT OF FLEXFOIL
DEMOUNTING OF FRONT



8

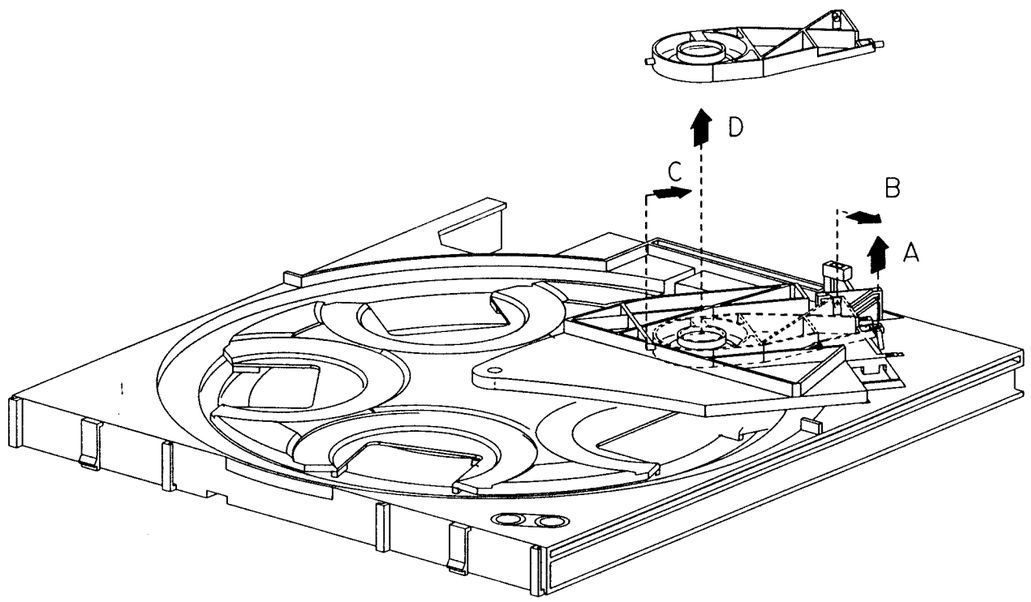
PULL OUT OF TRAY

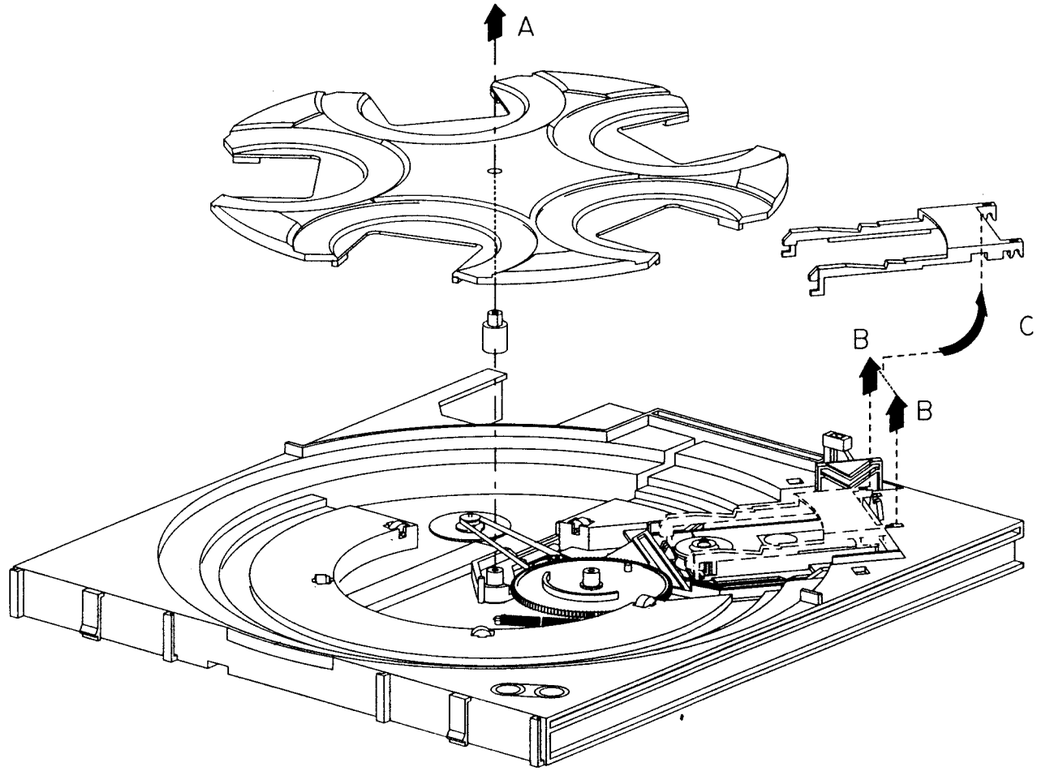


A. "PULL" OUT TRAY

HAS.1046

DEMOUNTING OF CARROUSEL
DEMOUNTING OF CDM





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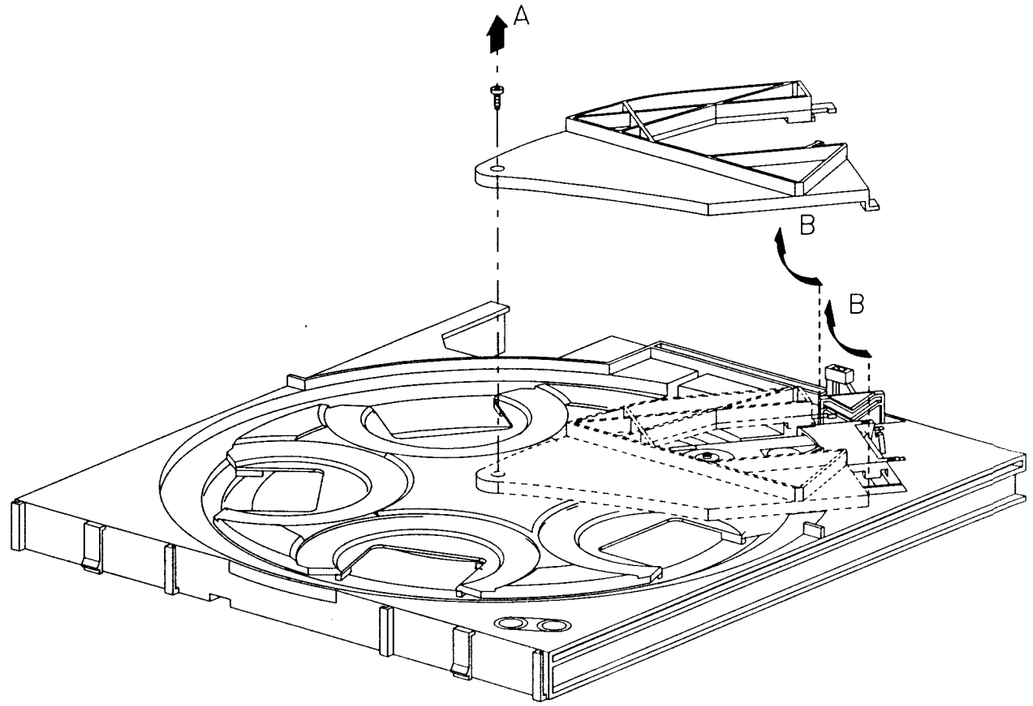
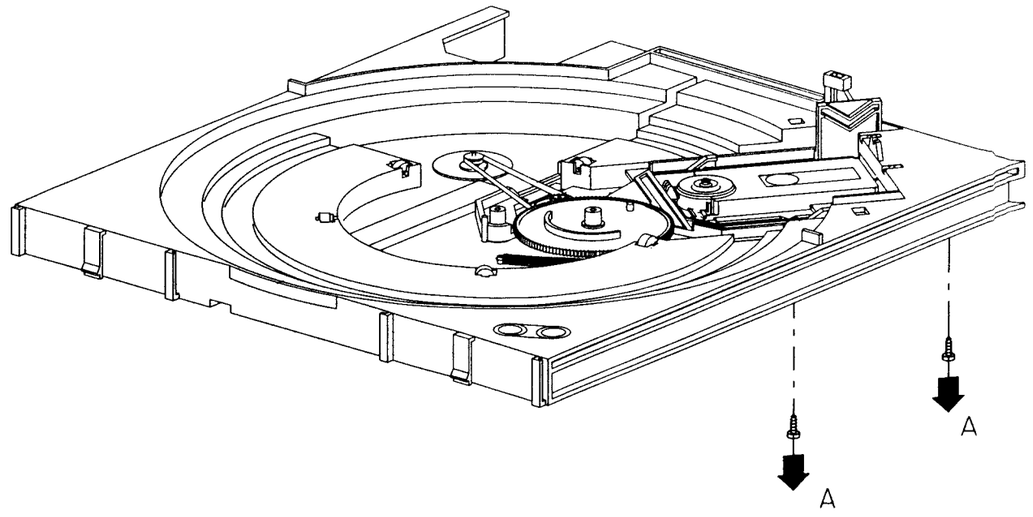
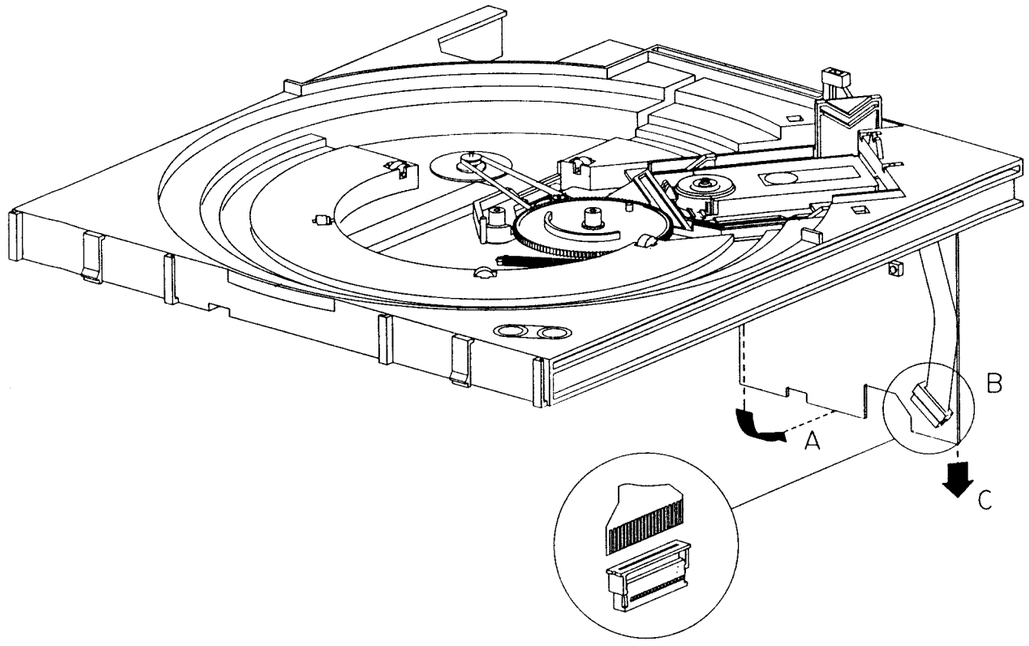
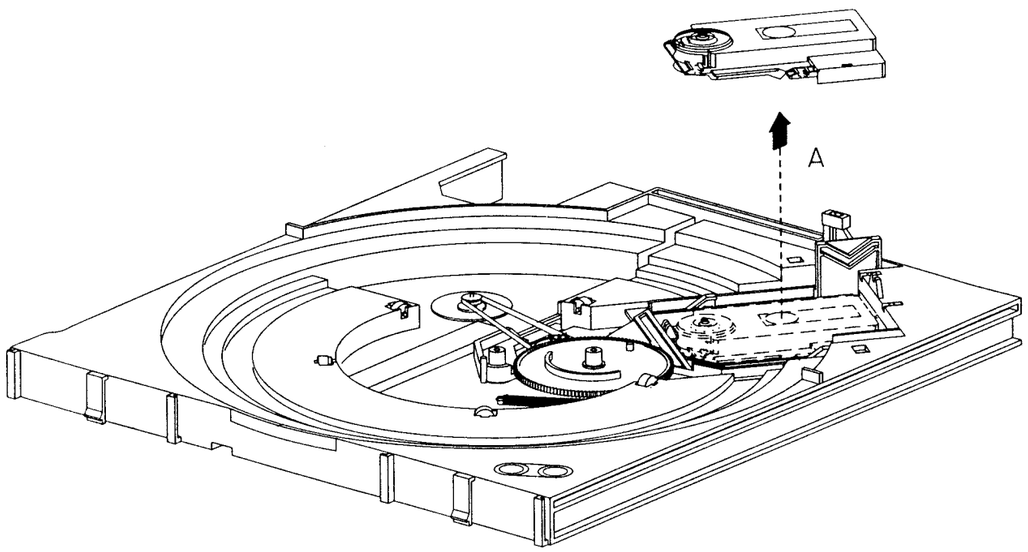




HAS.1047

DEMOUNTING OF CDM





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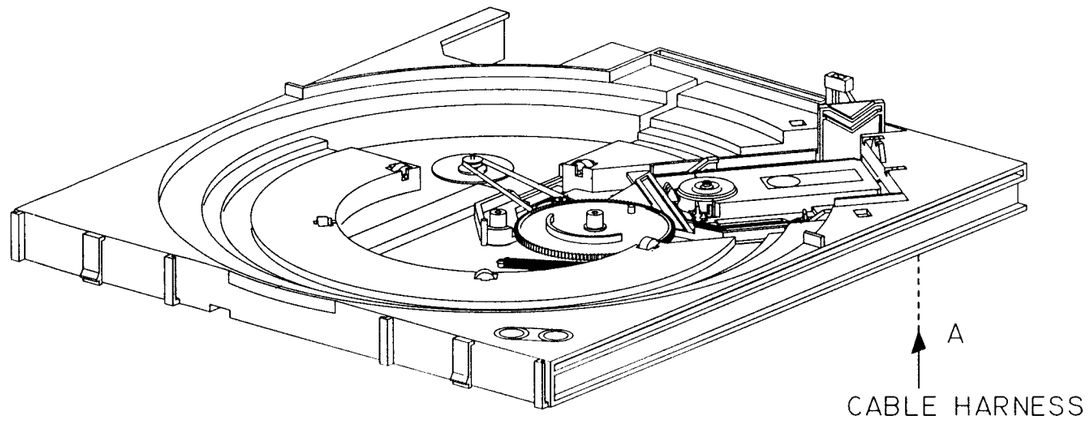
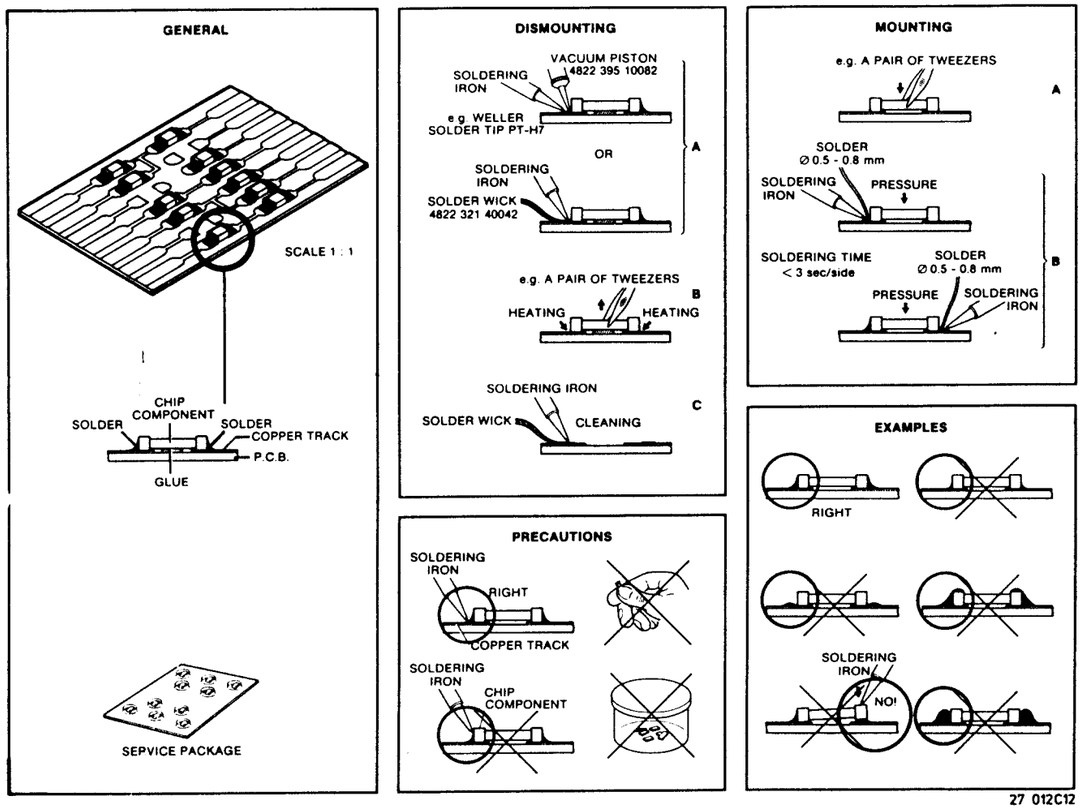


SERVICING HINTS

In the set chip components have been applied. For disassembly and assembly of chip components see the figure below.



27 012C12

SERVICE TOOLS

Audio signal disc	4822 397 30184
Disc without errors (test disc 5) + disc with DO errors, black spots and fingerprints (test disc 5A	4822 397 30096
Disc (65 min 1kHz)without pause	4822 397 30155
Max. diameter disc (58.0 mm)	4822 397 60141
Torx screwdrivers	
Set (straight)	4822 395 50145
Set (square)	4822 395 50132
13th order filter	4822 395 30204

SERVICE HINT ABOUT PHOTOTRANSISTOR 7701

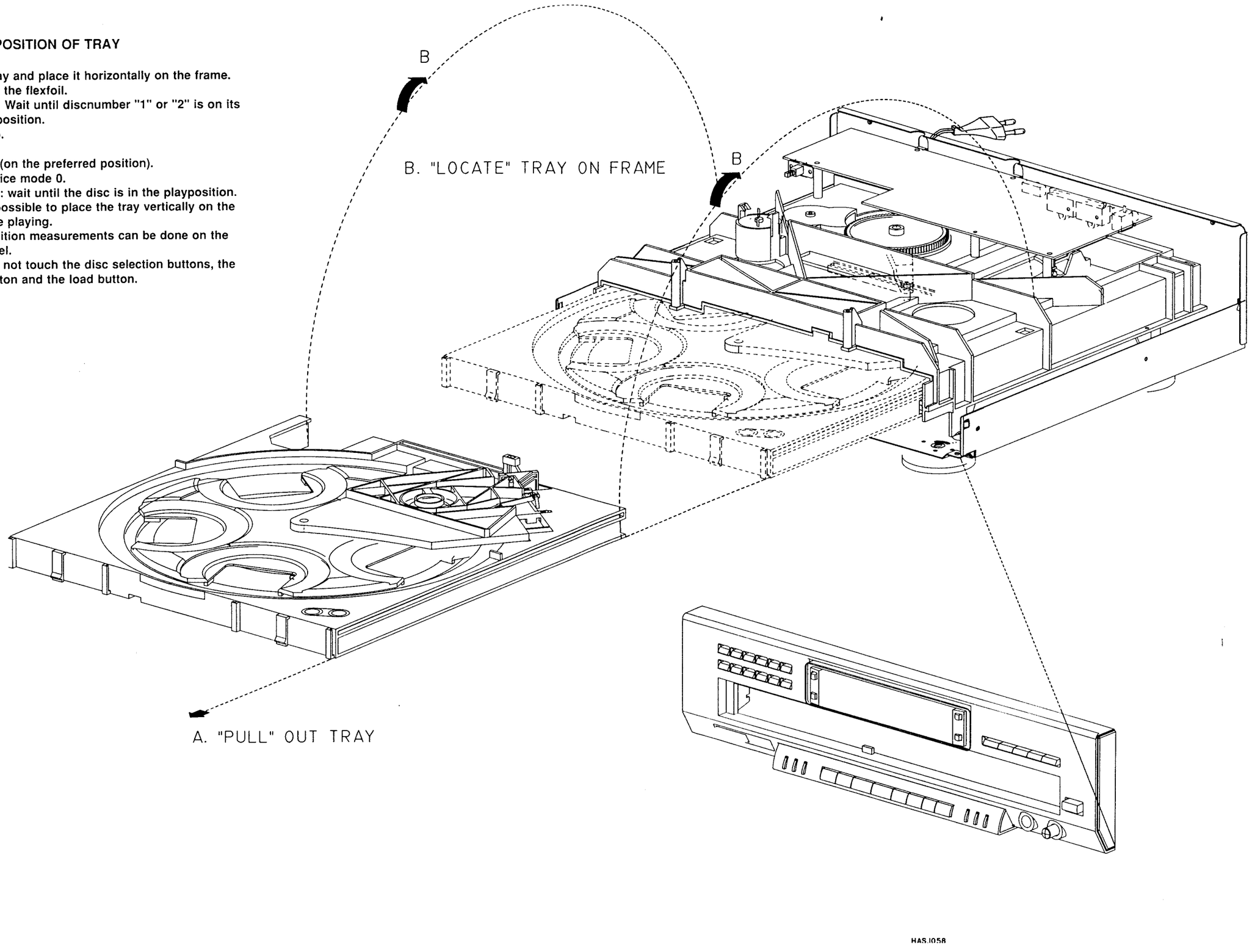
The disc detection does not work when the decoder panel is demounted and when external light falls on the phototransistor.
This can be prevented by covering the transistor with a piece of paper or a cloth.

12

SERVICING HINTS

SERVICE POSITION OF TRAY

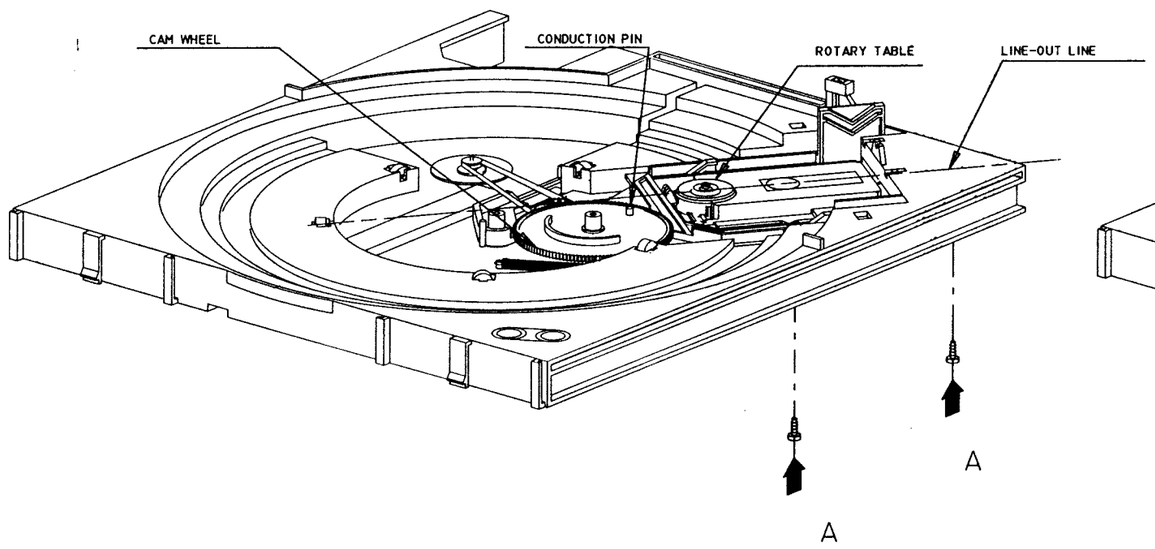
- Pull out tray and place it horizontally on the frame.
- Reconnect the flexfoil.
- Power on. Wait until discnumber "1" or "2" is on its preferred position.
- Press stop.
- Power off.
- Load disc (on the preferred position).
- Go to service mode 0.
- Press play: wait until the disc is in the playposition.
- Now it is possible to place the tray vertically on the frame while playing.
- In this position measurements can be done on the Servo Panel.
  Please: do not touch the disc selection buttons, the shuffle button and the load button.



HAS.1058

ASSEMBLY OF THE CARROUSEL

Turn camwheel (Exploded View item 116) until the conduction pin is in line with the rotary table of the CDM and the axis of the carrousel, or until the conduction pin is close to the CDM. The CDM is now in the highest position (Play position). Mount the carrousel with the discnumber "1" to the CDM.



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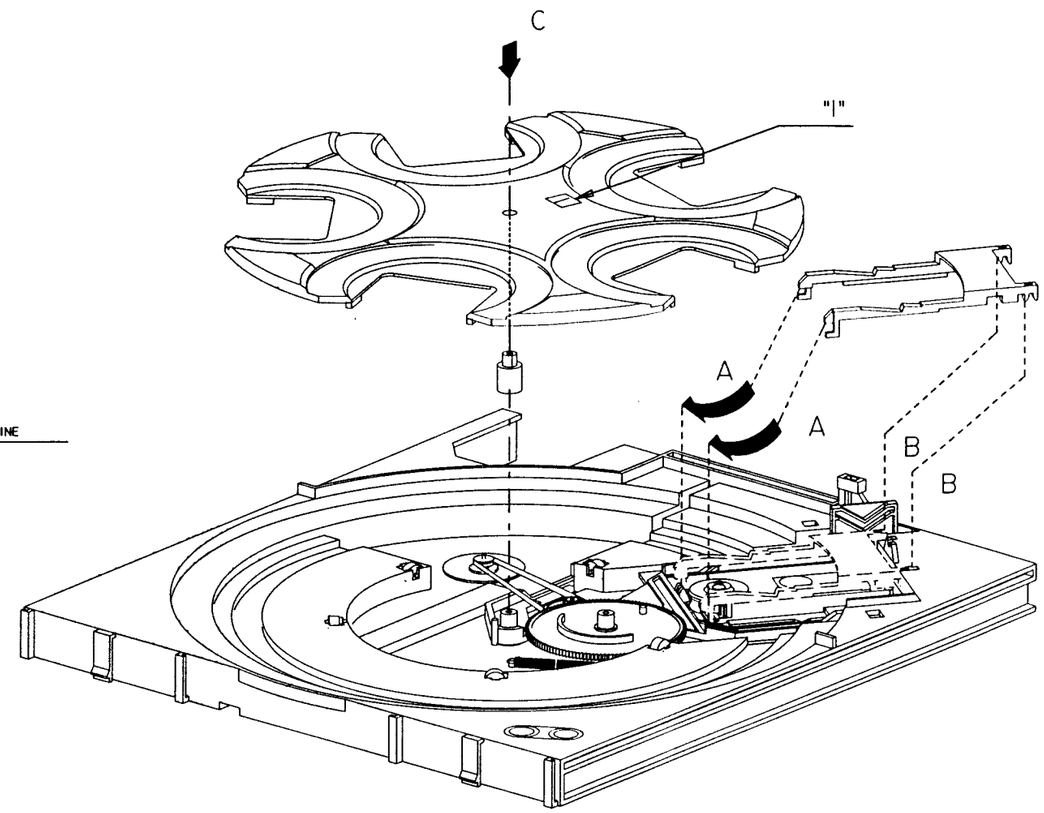
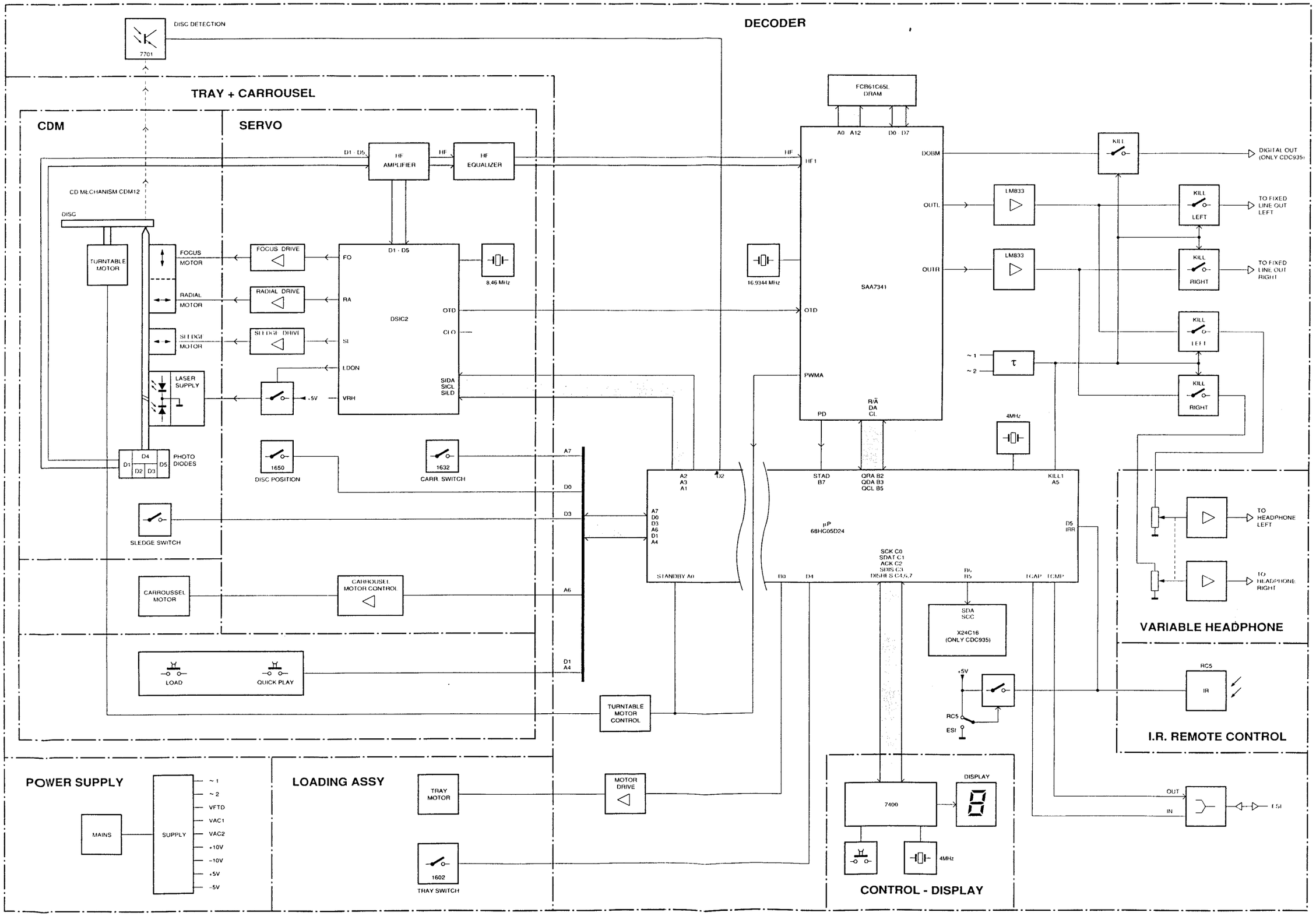


14

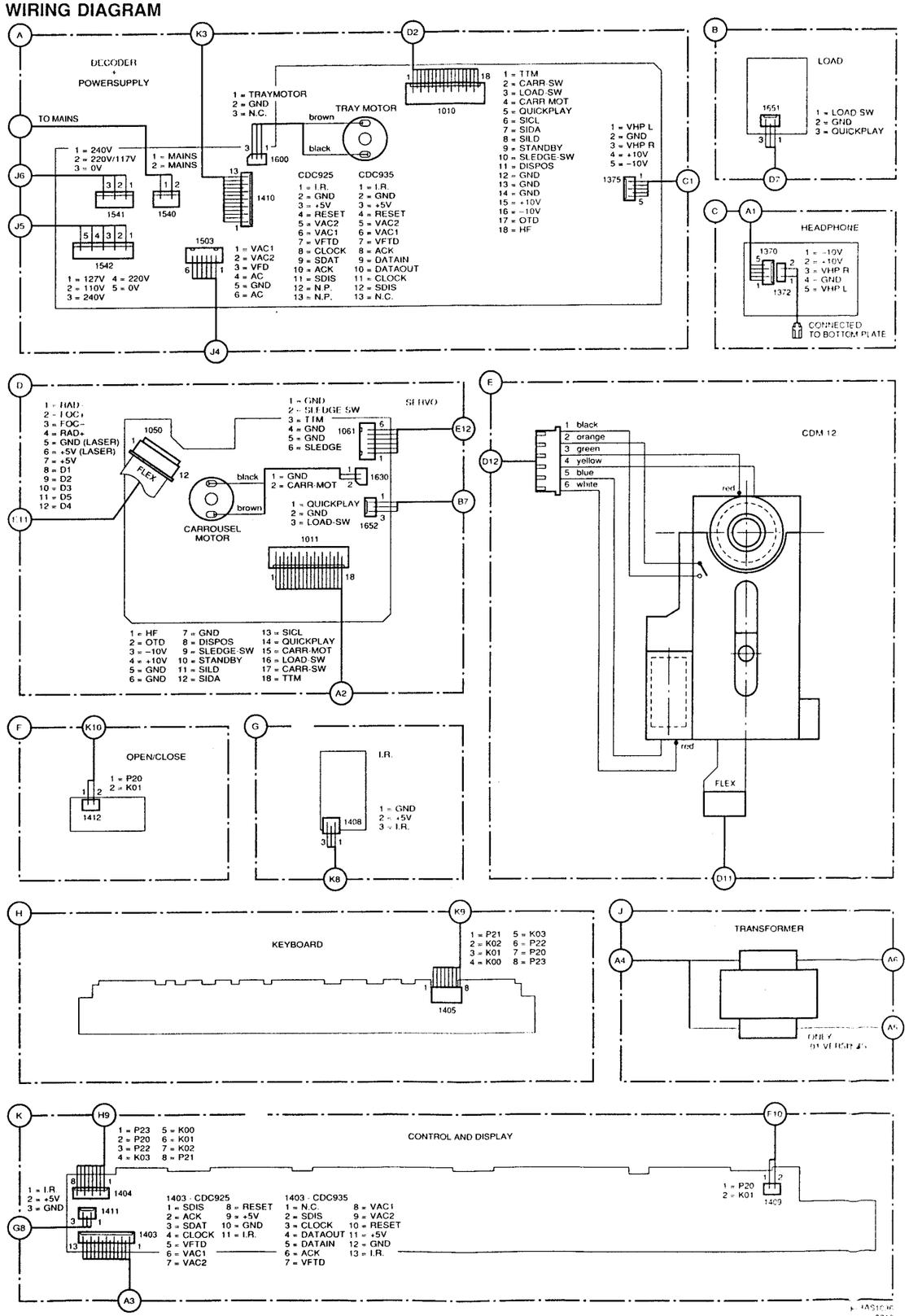
BLOCKDIAGRAM



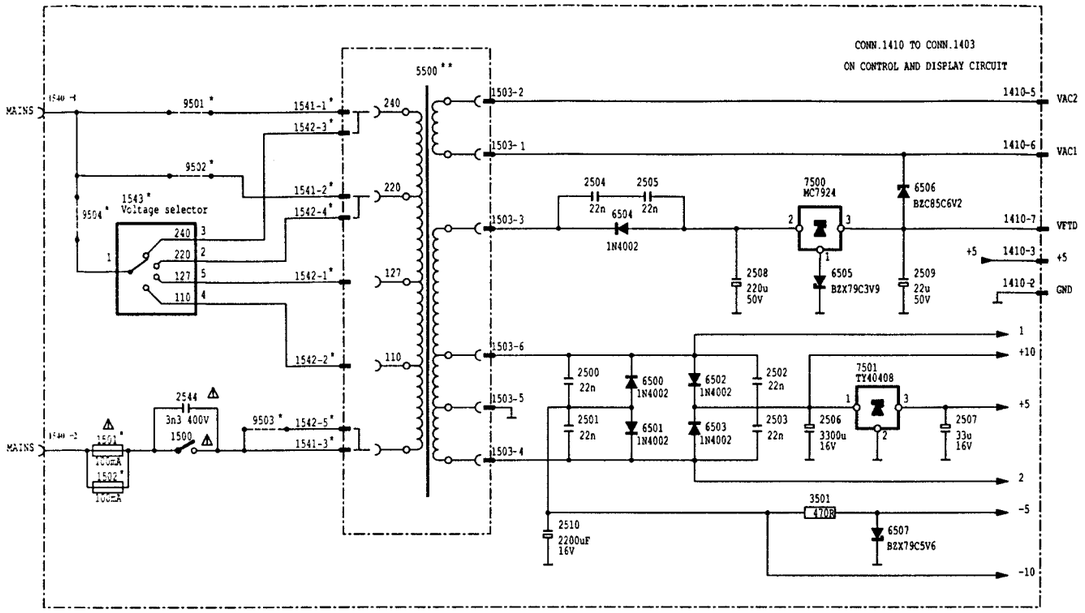
HAS1037
9211

A0-A12	- Address outputs to external RAM
AC	- Alternating current
ACK	- Acknowledge signal
AM	- Additional mute
CARR-MOT	- Carrousel motor
CARR-SW	- Carrousel switch
CFB	- Data slicer feedback output
CL	- Microprocessor interface clock input
CLOCK	- Clock output
C.W.	- Continuous wave
D1 - D4	- Central diode signal input
D0 - D7	- Data inputs/outputs to external RAM
DA	- Microprocessor interface data i/o line
DATAIN	- Data input
DATAOUT	- Data output
DE1L	- Pin for external de-emphasis cap. and res.
DE1R	- Pin for external de-emphasis cap. and res.
DE2L	- Pin for external de-emphasis cap. and res.
DE2R	- Pin for external de-emphasis cap. and res.
DISPOS	- Disc position
DOBM	- Digital audio output
ESI	- Enhanced system intelligence
FO	- Focus actuator output
FOC+ -	- Focus actuator
GND	- Ground
HF	- High frequency
HFI	- Non inverting data slicer input
I.R.	- Infra red
IREF	- Current reference output
KO	- Kill out
KTC	- Kill time capacitor connection
LDON	- Laser drive on
LOAD-SW	- Load switch
MACC	- Motor accelerate signal
MBRA	- Motor brake signal
MHAL	- Hall effect detector for motor
N.C.	- Not connected
N.P.	- No pin
NRST	- Reset input
OC	- VCO control
OUTL	- Left channel output
OUTR	- Right channel output
OTD	- Off track detector
PD	- Phase detector output
PWMA	- Pulse width modulated motor control acceleration signal
PWMB	- Pulse width modulated motor control brake signal
QCL	- Q - channel clock signal
QDA	- Q - channel data signal
QRA	- Q - channel request acknowledge signal
RA_	- Radial actuator output
R/A	- Request/acknowledge
RAD+ -	- Radial actuator
SDAT	- Serial data
SDIS	- Select display
SICL	- Serial interface clock
SIDA	- Serial interface data
SILD	- Serial interface load
SL	- Sledge
SLEDGE-SW	- Sledge switch
ST	- Standby mode
STAD	- Start up aid
TS1 - 2	- Test pins
TTM	- Turntable motor
VDDA	- Analog power supply
VDDD	- Digital power supply
VDDL	- Analog supply left channel integrator
VDDR	- Analog supply right channel integrator
VHP	- Variable headphone
VREFL	- Internal reference voltage DAC
VREFR	- Internal reference voltage DAC
VSSA	- Analog ground
VSSD	- Digital ground
VSSDACL	- Analog ground left channel DAC
VSSDACR	- Analog ground right channel DAC
VSSL	- Analog ground left channel integrator
VSSR	- Analog ground right channel integrator
WE	- Write enable
XIN	- Oscillator signal in
XOUT	- Oscillator signal out
XTLI	- Oscillator input
XTLO	- Oscillator output
XTLR	- Oscillator reference

WIRING DIAGRAM



POWER SUPPLY DIAGRAM



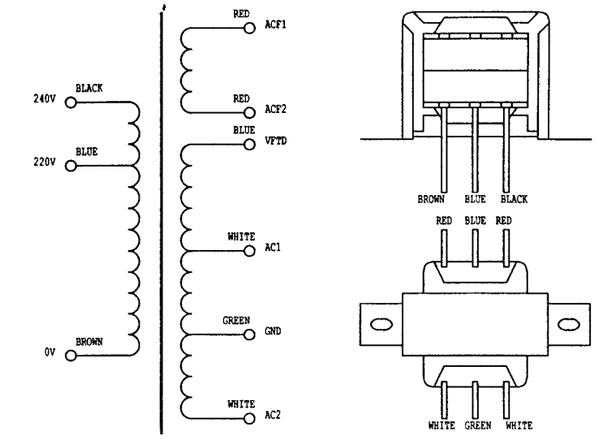
3104 113 30122S-A
9211

MAINS VOLTAGE SELECTION CDC925 CDC935					
*	/00	/01	/05	/10	/17
1501	100mA	-	100mA	100mA	200mA
1502	-	100mA	-	-	-
1541	X	-	X	X	X
1542	-	X	-	-	-
1543	-	X	-	-	-
9501	-	X	X	-	-
9502	X	-	-	X	-
9503	-	X	-	-	-
9504	-	X	-	-	-

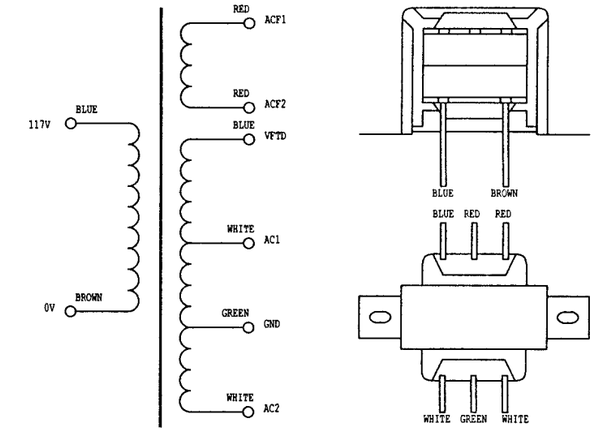
*** * 5500** /00 /05 /10 4822 146 31102
/17 4822 146 31104

TRANSFORMER CONNECTIONS

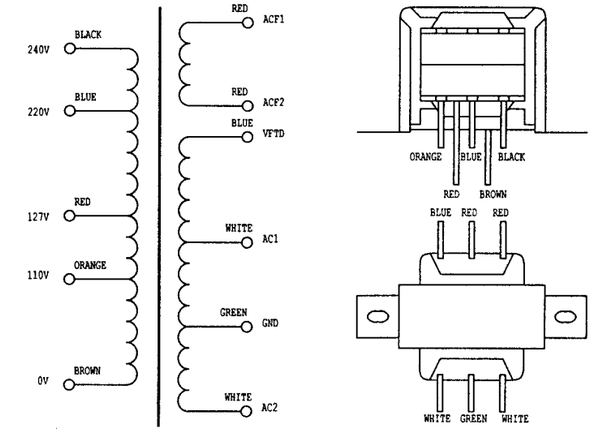
/00 /05 /10 VERSIONS



/17 VERSIONS

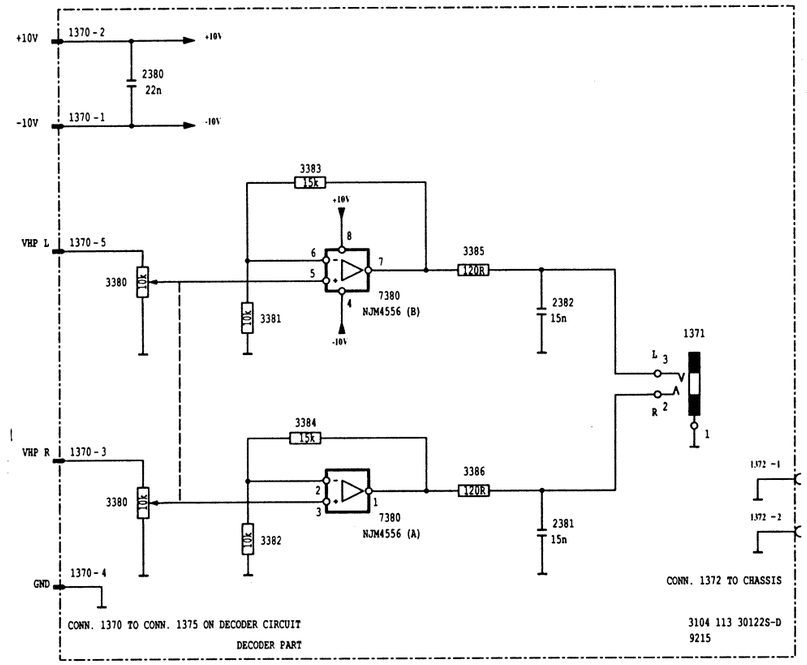


/01 VERSIONS

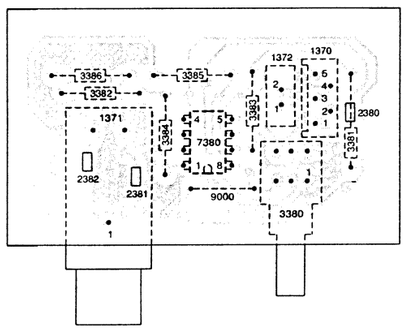


HAS1072
9215

VARIABLE HEADPHONE CIRCUIT DIAGRAM

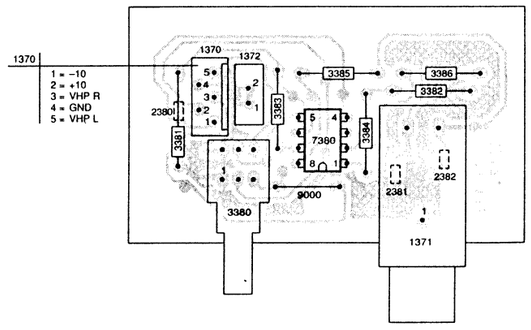


VARIABLE HEADPHONE PANEL SOLDER SIDE



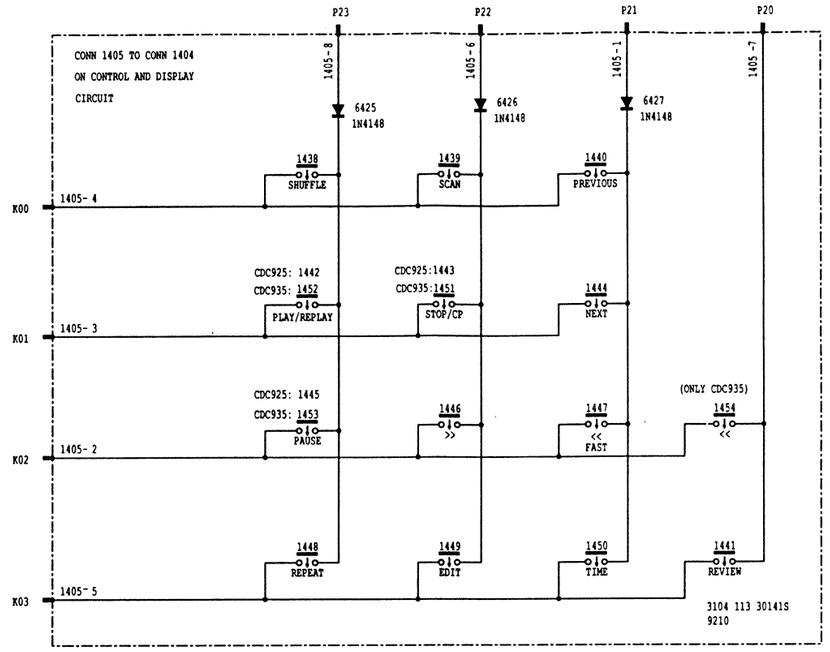
3104 113 3012 C-CU
9213

COMPONENT SIDE

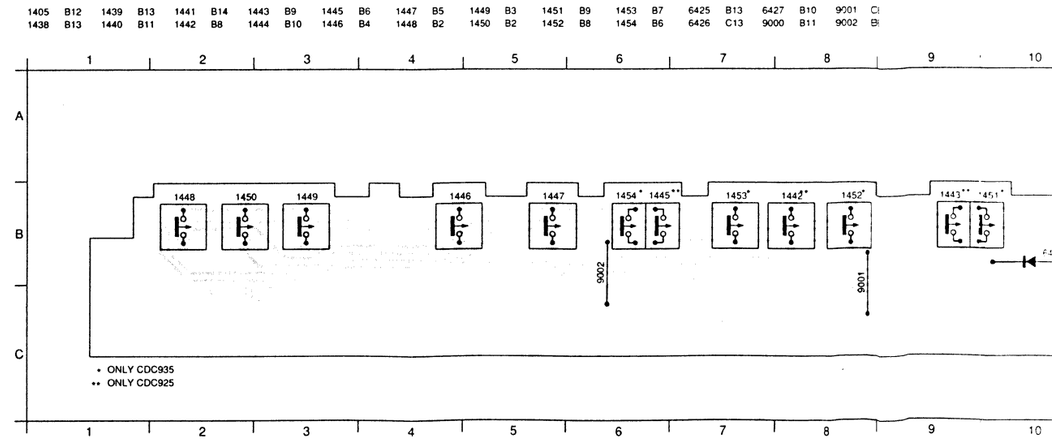


3104 113 3012 C-COMP
9213

KEYBOARD CIRCUIT DIAGRAM

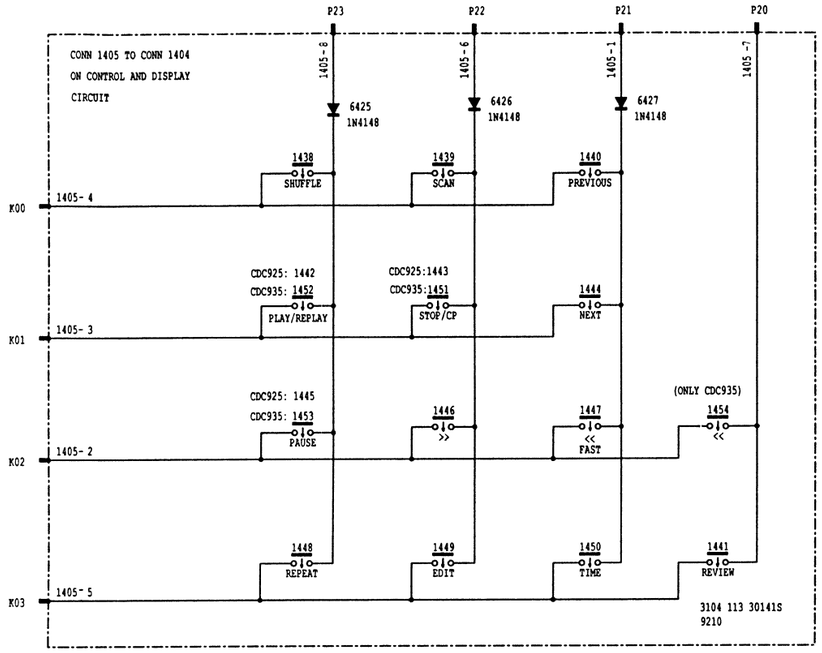


KEYBOARD PANEL



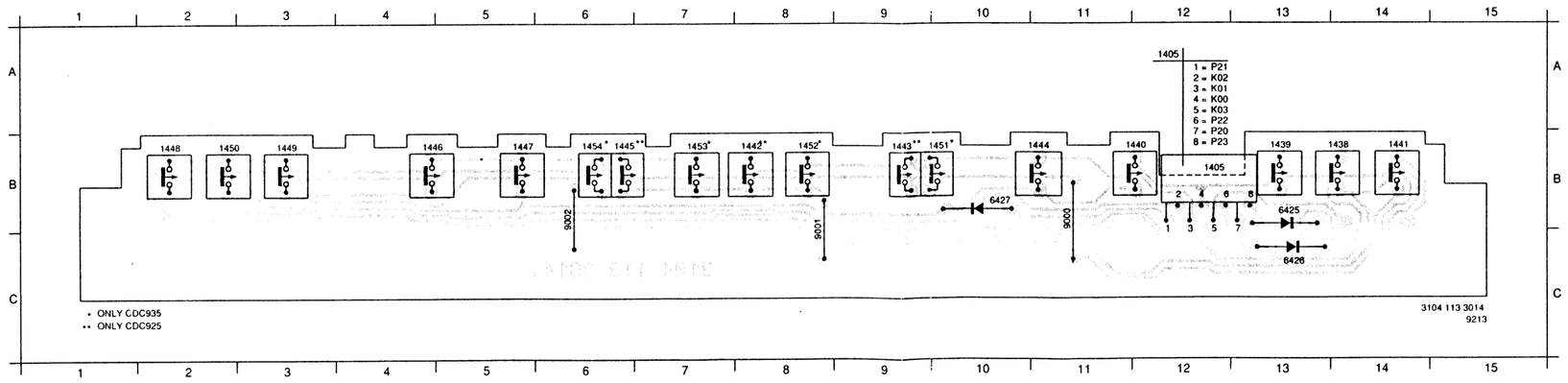
17

KEYBOARD CIRCUIT DIAGRAM



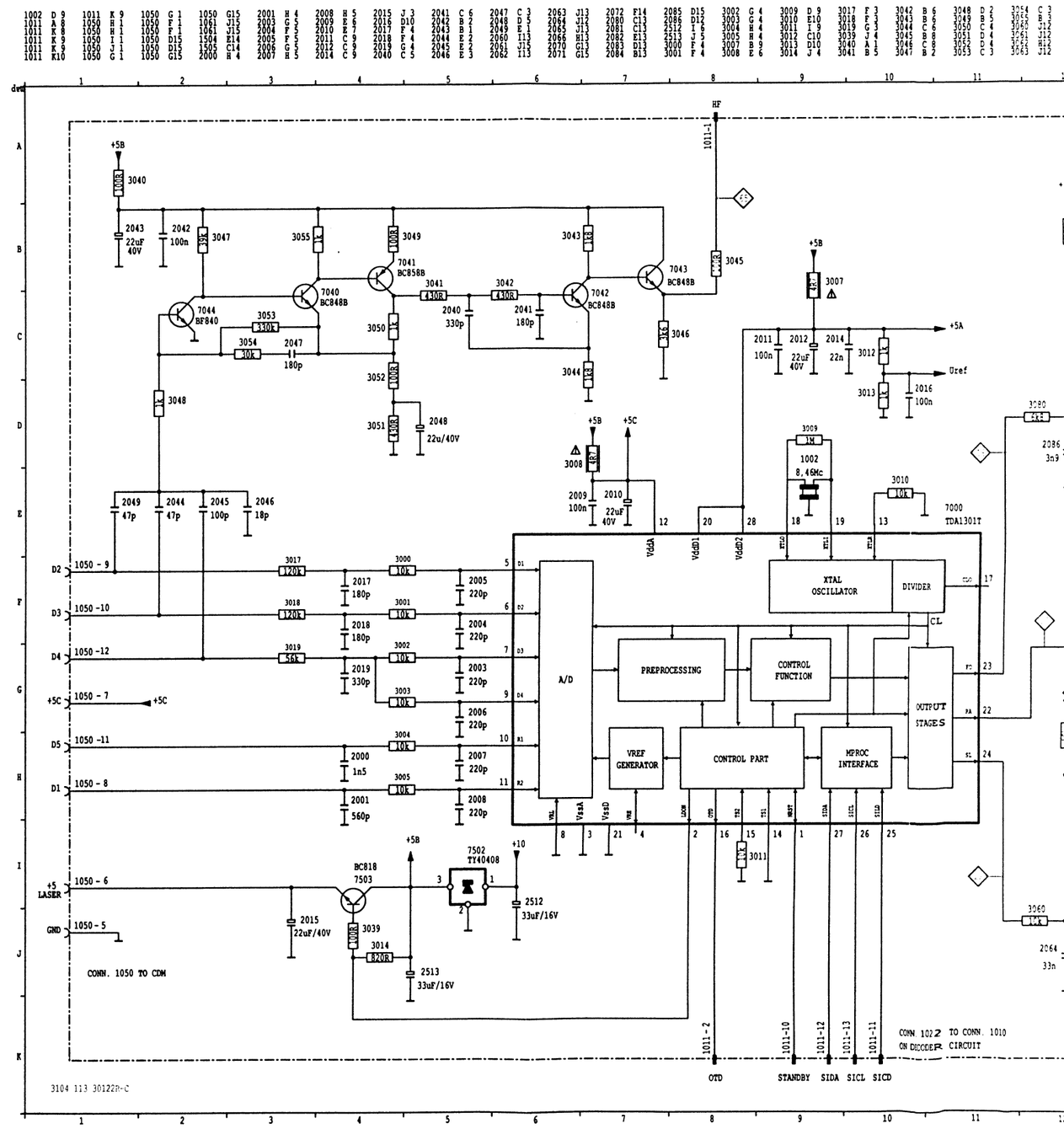
KEYBOARD PANEL

1405	B12	1439	B13	1441	B14	1443	B9	1445	B6	1447	B5	1449	B3	1451	B9	1453	B7	6425	B13	6427	B10	9001	C8
1438	B13	1440	B11	1442	B8	1444	B10	1446	B4	1448	B2	1450	B2	1452	B8	1454	B6	6426	C13	9000	B11	9002	B6



18

SERVO CIRCUIT DIAGRAM
SERVO-1



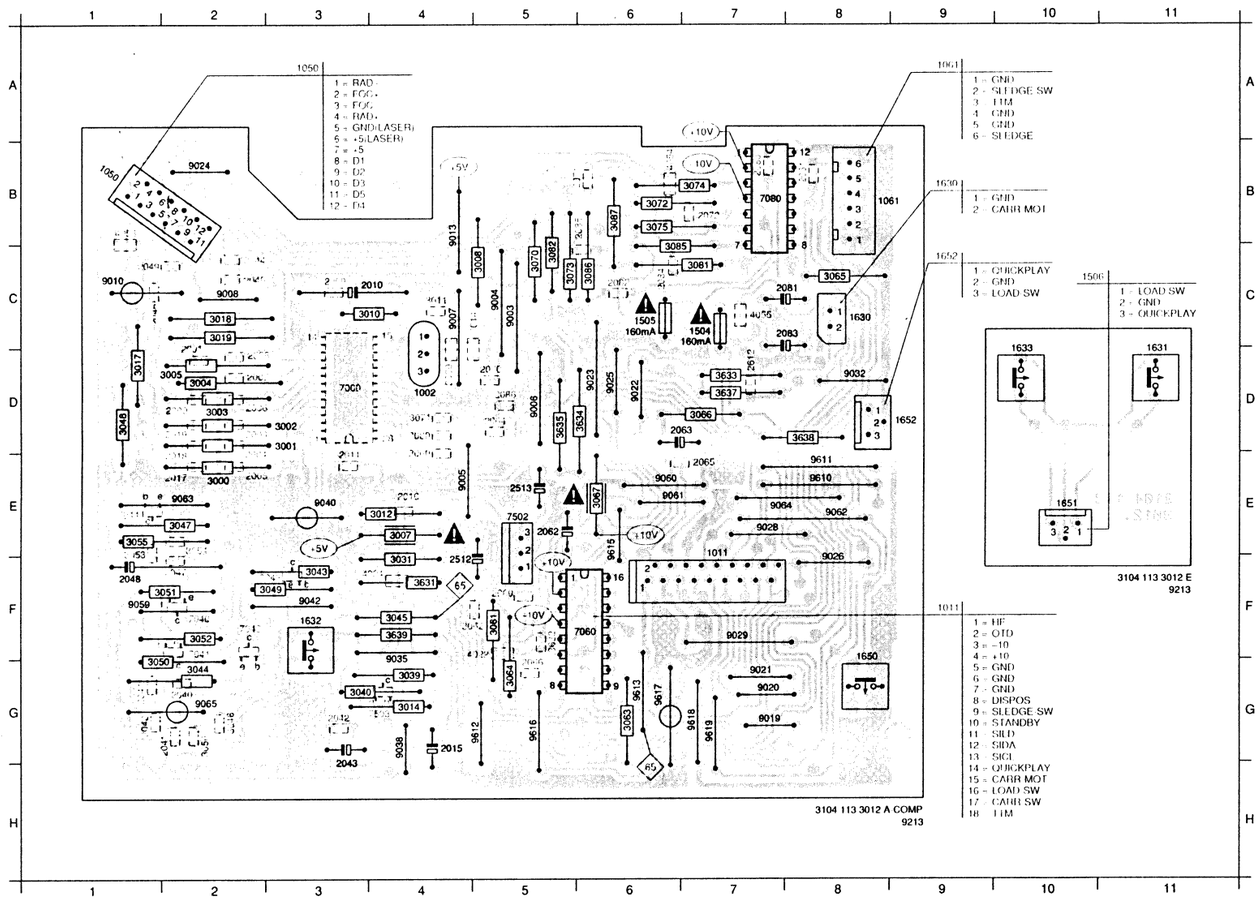
18

SERVO CIRCUIT DIAGRAM
SERVO-1

| | | |

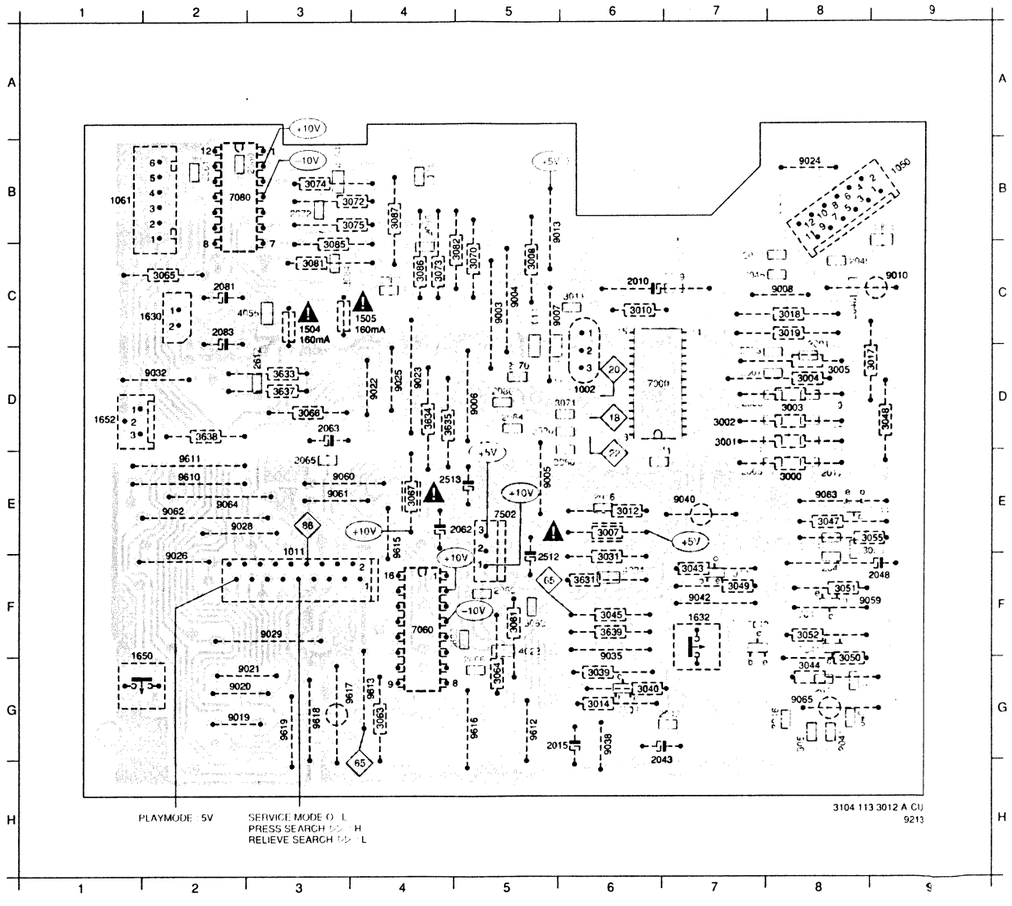
SERVO PANEL COMPONENT SIDE
LOAD PANEL

1002	D4	1652	D9	2014	C5	2046	C1	2071	B6	3000	E2	3014	G4	3046	G2	3061	F5	3075	B6	3637	D7	7043	F2	9010	C1	9032	D8	9610	E8
1011	F7	2000	D2	2015	G4	2047	F2	2072	B7	3001	D3	3017	D1	3047	E2	3062	F4	3080	D4	3638	D8	7044	E1	9013	C4	9035	G4	9611	E8
1050	B1	2001	D2	2016	E4	2048	F1	2080	B7	3002	D3	3018	C2	3048	D1	3063	G6	3081	C7	3639	F4	7060	F5	9019	G7	9038	G4	9612	G5
1061	B8	2003	D2	2017	E2	2049	C1	2081	C7	3003	D2	3019	C2	3049	F2	3064	G5	3082	C5	4022	F4	7080	B7	9020	G7	9040	E3	9613	G6
1504	C7	2004	E2	2018	E2	2060	F5	2082	C6	3004	D2	3031	F4	3050	G1	3065	C8	3085	C6	4024	F3	7502	E5	9021	G7	9042	F3	9615	F6
1505	C6	2005	E2	2019	D2	2061	B8	2083	C7	3005	D1	3039	G4	3051	F1	3066	D7	3086	C6	4053	B1	7503	G4	9022	D6	9059	F1	9616	G5
1630	C8	2006	D2	2040	G2	2062	E5	2084	C6	3007	E4	3040	G3	3052	F2	3067	E6	3087	B6	4054	B6	9003	C5	9023	D6	9060	E6	9617	G6
1631	D11	2007	D2	2041	G2	2063	D6	2085	B6	3008	C5	3041	G1	3053	F1	3070	C5	3631	F4	4055	C7	9004	C5	9024	B2	9061	E6	9618	G7
1632	F3	2008	D2	2042	G3	2064	D5	2086	D5	3009	D4	3042	G1	3054	E2	3071	D4	3632	F5	7000	D3	9005	E4	9025	D6	9062	E8	9619	G7
1633	D10	2009	C3	2043	H3	2065	E7	2512	F4	3010	C3	3043	F3	3055	E1	3072	B6	3633	D7	7040	F2	9006	D5	9026	F8	9063	E2		
1650	G8	2010	C3	2044	C2	2066	G5	2513	E5	3011	C4	3044	G2	3056	G2	3073	C5	3634	D6	7041	F2	9007	C4	9028	E7	9064	E7		
1651	E10	2011	E3	2045	C2	2070	D5	2612	D7	3012	E4	3045	F4	3060	E4	3074	B7	3635	D5	7042	F2	9008	C2	9029	F7	9065	G2		



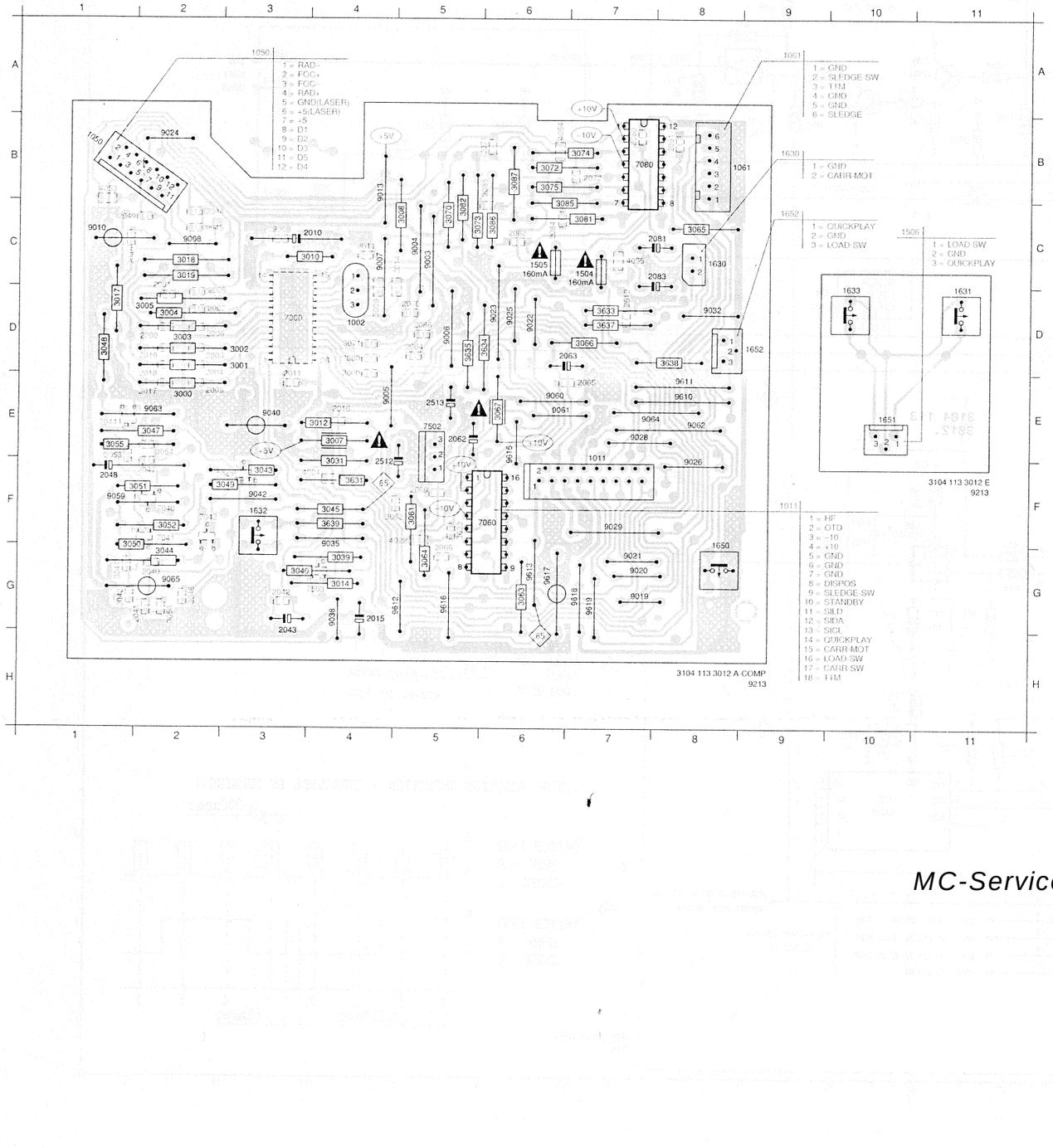
SERVO PANEL SOLDER SIDE

1002	D6	2005	E7	2041	G8	2065	E3	2612	D3	3017	D9	3049	F7	3066	D3	3631	F6	7040	F8	9008	C8	9035	G6	9613	G4		
1011	F3	2006	D7	2042	G6	2066	G5	3000	E8	3018	C8	3050	G8	3067	E4	3632	F5	7041	F8	9010	C9	9038	G6	9615	F4		
1050	B9	2007	D7	2043	H6	2070	D5	3001	D7	3019	C8	3051	F8	3070	C5	3633	D3	7042	F7	9013	C6	9040	E7	9616	G5		
1061	B1	2008	D7	2044	C7	2071	B4	3002	D7	3031	F6	3052	F8	3071	D5	3634	D4	7043	F7	9019	G2	9042	F7	9617	G4		
1504	C3	2009	C7	2045	C7	2072	B3	3003	D8	3039	G6	3053	F8	3072	B3	3635	D4	7044	E8	9020	G2	9059	F8	9618	G3		
1505	C4	2010	C6	2046	C8	2080	B3	3004	D8	3040	G6	3054	E8	3073	C4	3637	D3	7060	F4	9021	G2	9060	E3	9619	G3		
1630	C1	2011	E6	2047	F8	2081	C2	3005	D8	3041	G8	3055	E8	3074	B3	3638	D2	7080	B2	9022	D4	9061	E3				
1632	F7	2014	C5	2048	F8	2082	C4	3007	E6	3042	G8	3056	G8	3075	B3	3639	F6	7502	E5	9023	D4	9062	E2				
1650	G1	2015	G5	2049	C8	2083	C2	3008	C5	3043	F7	3060	E5	3080	D5	4022	F5	7503	G6	9024	B8	9063	E8				
1652	D1	2016	E6	2060	F5	2084	C3	3009	D6	3044	G8	3061	F5	3081	C3	4024	F6	9003	C5	9025	D4	9064	E2				
2000	D8	2017	E8	2061	B2	2085	B4	3010	C6	3045	F6	3062	F5	3082	C5	4053	B9	9004	C5	9026	F2	9065	G8				
2001	D8	2018	E8	2062	E4	2086	D5	3011	C6	3046	G8	3063	G4	3085	C3	4054	B3	9005	E5	9028	E2	9610	E2				
2003	D7	2019	D8	2063	D3	2512	F5	3012	E6	3047	E8	3064	G5	3086	C4	4055	C2	9006	D5	9029	F3	9611	E2				
2004	E7	2040	G8	2064	D5	2513	E4	3014	G6	3048	D9	3065	C2	3087	B4	7000	D6	9007	C6	9032	D2	9612	G5				



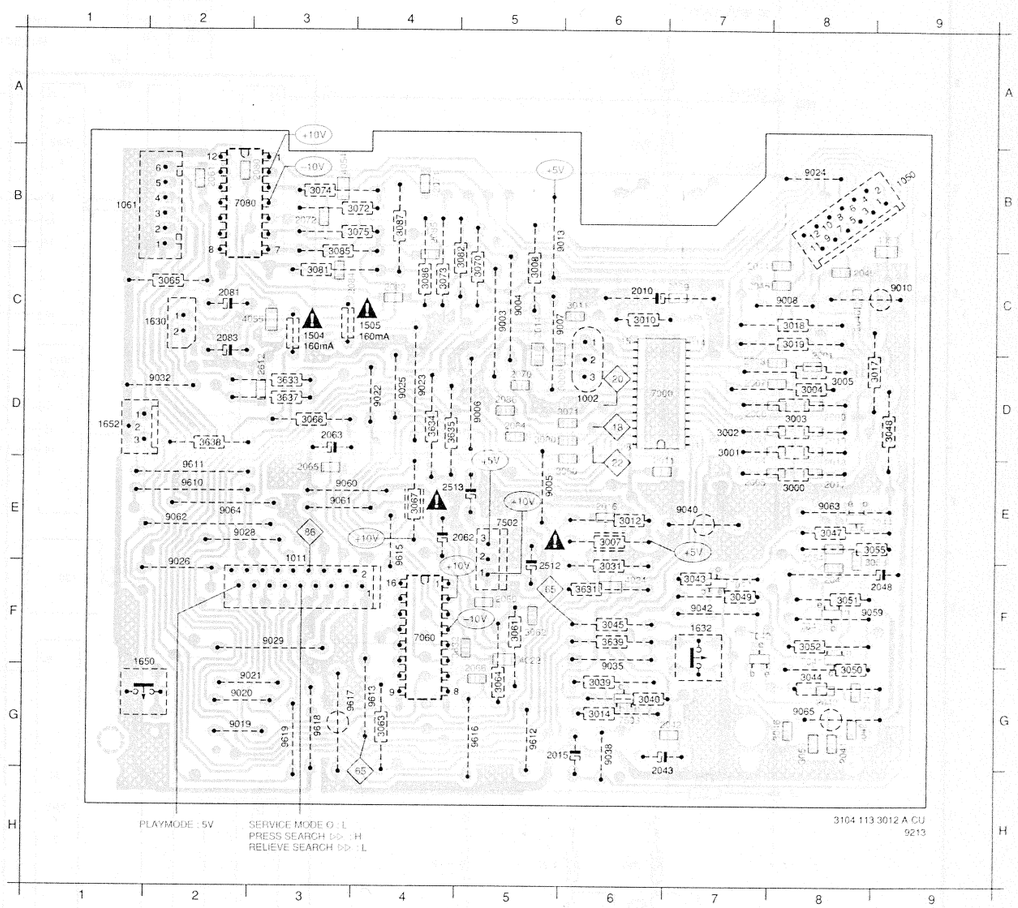
SERVO PANEL COMPONENT SIDE
LOAD PANEL

1002	D4	1652	D9	2014	C5	2046	C1	2071	B6	3000	E2	3014	G4	3046	G2	3061	F5	3075	B6	3637	D7	7043	F2	9010	C1	9032	D8	9610	E8
1011	F7	2000	D2	2015	G4	2047	F2	2072	B7	3001	D3	3017	D1	3047	E2	3062	F4	3080	D4	3638	D8	7044	E1	9013	C4	9035	G4	9611	E8
1050	B1	2001	D2	2016	E4	2048	F1	2080	B7	3002	D3	3018	C2	3048	D1	3063	G6	3081	C7	3639	F4	7060	F5	9019	G7	9038	G4	9612	G5
1061	B8	2003	D2	2017	E2	2049	C1	2081	C7	3003	D2	3019	C2	3049	F2	3064	G5	3082	C5	4022	F4	7080	B7	9020	G7	9040	E3	9613	G6
1504	C7	2004	E2	2018	E2	2060	F5	2082	C6	3004	D2	3031	F4	3050	G1	3065	C8	3085	C6	4024	F3	7502	E5	9021	G7	9042	F3	9615	F6
1505	C6	2005	E2	2019	D2	2061	B8	2083	C7	3005	D1	3039	G4	3051	F1	3066	D7	3086	C6	4053	B1	7503	G4	9022	D6	9059	F1	9616	G5
1630	C8	2006	D2	2040	G2	2062	E5	2084	C6	3007	E4	3040	G3	3052	F2	3067	E6	3087	B6	4054	B6	9003	C5	9023	D6	9060	E6	9617	G6
1631	D11	2007	D2	2041	G2	2063	D6	2085	B6	3008	C5	3041	G1	3053	F1	3070	C5	3631	F4	4055	C7	9004	C5	9024	B2	9061	E6	9618	G7
1632	F3	2008	D2	2042	G3	2064	D5	2086	D5	3009	D4	3042	G1	3054	E2	3071	D4	3632	F5	7000	D3	9005	E4	9025	D6	9062	E8	9619	G7
1633	D10	2009	C3	2043	H3	2065	E7	2512	F4	3010	C3	3043	F3	3055	E1	3072	B6	3633	D7	7040	F2	9006	D5	9026	F8	9063	E2		
1650	G8	2010	C3	2044	C2	2066	G5	2513	E5	3011	C4	3044	G2	3056	G2	3073	C5	3634	D6	7041	F2	9007	C4	9028	E7	9064	E7		
1651	E10	2011	E3	2045	C2	2070	D5	2612	D7	3012	E4	3045	F4	3060	E4	3074	B7	3635	D5	7042	F2	9008	C2	9029	F7	9065	G2		



SERVO PANEL SOLDER SIDE

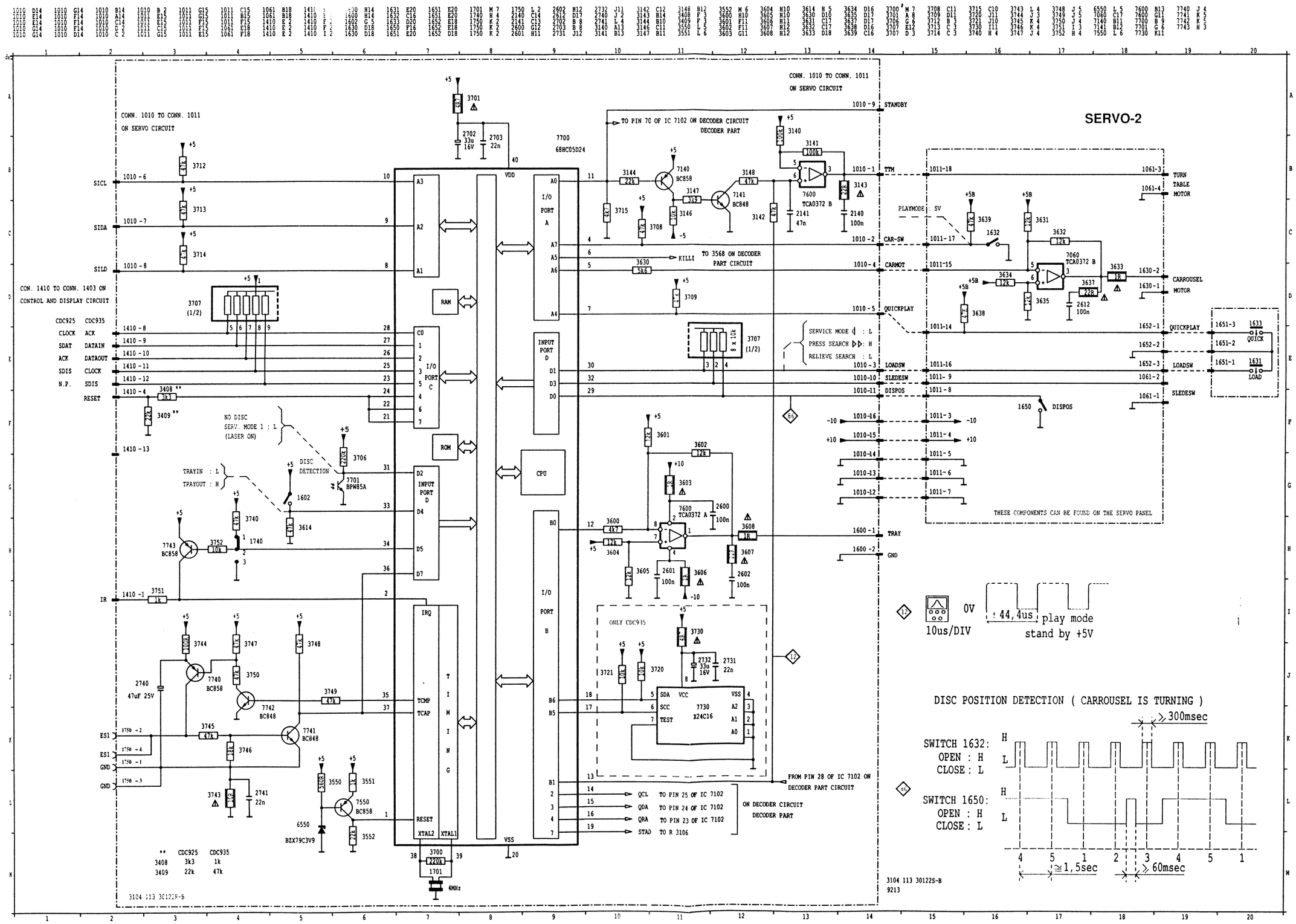
1002	D6	2005	E7	2041	G8	2065	E3	2612	D3	3017	D9	3049	F7	3066	D3	3631	F6	7040	F8	9008	C8	9035	G6	9613	G4		
1011	F3	2006	D7	2042	G6	2066	G5	3000	E8	3018	C8	3050	G8	3067	E4	3632	F5	7041	F8	9010	C9	9038	G6	9615	F4		
1050	B9	2007	D7	2043	H6	2070	D5	3001	D7	3019	C8	3051	F8	3070	C5	3633	D3	7042	F7	9013	C6	9040	E7	9616	G5		
1061	B1	2008	D7	2044	C7	2071	B4	3002	D7	3031	F6	3052	F8	3071	D5	3634	D4	7043	F7	9019	G2	9042	F7	9617	G4		
1504	C3	2009	C7	2045	C7	2072	B3	3003	D8	3039	G6	3053	F8	3072	B3	3635	D4	7044	E8	9020	G2	9059	F8	9618	G3		
1505	C4	2010	C6	2046	C8	2080	B3	3004	D8	3040	G6	3054	E8	3073	C4	3637	D3	7060	F4	9021	G2	9060	E3	9619	G3		
1630	C1	2011	E6	2047	F8	2081	C2	3005	D8	3041	G8	3055	E8	3074	B3	3638	D2	7080	B2	9022	D4	9061	E3				
1632	F7	2014	C5	2048	F8	2082	C4	3007	E6	3042	G8	3056	G8	3075	B3	3639	F6	7502	E5	9023	D4	9062	E2				
1650	G1	2015	G5	2049	C8	2083	C2	3008	C5	3043	F7	3060	E5	3080	D5	4022	F5	7503	G6	9024	B8	9063	E8				
1652	D1	2016	E6	2060	F5	2084	C3	3009	D6	3044	G8	3061	F5	3081	C3	4024	F6	9003	C5	9025	D4	9064	E2				
2000	D8	2017	E8	2061	B2	2085	B4	3010	C6	3045	F6	3062	F5	3082	C5	4053	B9	9004	C5	9026	F2	9065	G8				
2001	D8	2018	E8	2062	E4	2086	D5	3011	C6	3046	G8	3063	G4	3085	C3	4054	B3	9005	E5	9028	E2	9610	E2				
2003	D7	2019	D8	2063	D3	2512	F5	3012	E6	3047	E8	3064	G5	3086	C4	4055	C2	9006	D5	9029	F3	9611	E2				
2004	E7	2040	G8	2064	D5	2513	E4	3014	G6	3048	D9	3065	G2	3087	B4	7000	D6	9007	C6	9032	D2	9612	G5				



MC-Service

20

DECODER CIRCUIT DIAGRAM
MICROPROCESSOR PART


SERVO-2
CONN. 1010 TO CONN. 1011 ON SERVO CIRCUIT
CONN. 1410 TO CONN. 1403 ON CONTROL AND DISPLAY CIRCUIT
7700 68HC05D24
TO PIN 70 OF IC 7102 ON DECODER CIRCUIT DECODER PART
TO 3568 ON DECODER PART CIRCUIT
FROM PIN 28 OF IC 7102 ON DECODER PART CIRCUIT
ON DECODER CIRCUIT DECODER PART
QCL TO PIN 25 OF IC 7102
QDA TO PIN 24 OF IC 7102
QRA TO PIN 23 OF IC 7102
STAD TO R 3106
SERVICE MODE : L
PRESS SEARCH ▷▷: H
RELIEVE SEARCH : L
NO DISC SERV. MODE 1 : L (LASER ON)
TRAYIN : L
TRAYOUT : H
DISC DETECTION
THESE COMPONENTS CAN BE FOUND ON THE SERVO PANEL
ONLY CDC935
10us/DIV
0V
± 44,4us play mode
stand by +5V
DISC POSITION DETECTION (CARROUSEL IS TURNING)
SWITCH 1632: OPEN : H CLOSE : L
SWITCH 1650: OPEN : H CLOSE : L
≥300msec
≅1,5sec
≥60msec
3104 113 30122S-B
9213

21

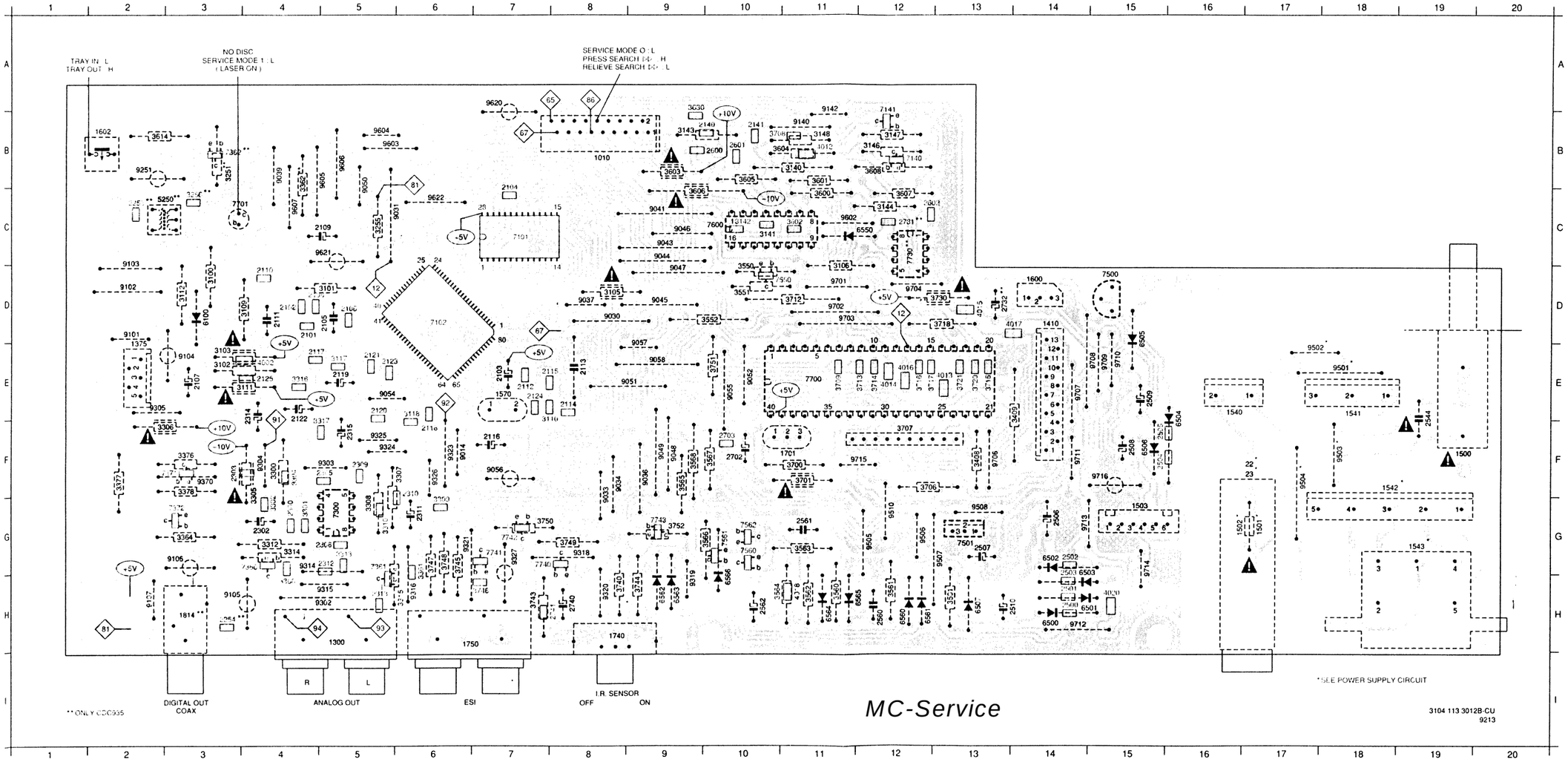
DECODER PANEL COMPONENT SIDE

| | | |

22

DECODER PANEL SOLDER SIDE

22	F17	1542	F18	2104	C7	2116	F7	2253	C2	2314	F4	2510	H14	2740	H8	3117	E5	3256	C3	3313	G5	3408	F13	3566	G10	3614	B2	3716	E12	3748	G6	4018	H11	6550	C11	7300	G5	7600	C10	9034	F8	9050	C5	9105	H3	9316	H6	9502	E17	9606	B5	9709	E15
23	F17	1543	G19	2105	D5	2117	E4	2254	H3	2315	F5	2544	F19	2741	H8	3118	E6	3300	F4	3314	G4	3409	F14	3567	F10	3630	A9	3717	E13	3749	G8	4020	H15	6560	H12	7360	G4	7700	E11	9036	F9	9051	E8	9106	G3	9318	G8	9503	F18	9607	C4	9710	E15
1010	B8	1570	E7	2106	D5	2118	F6	2300	G4	2500	H14	2560	H12	3100	D3	3140	B11	3301	G4	3315	H6	3501	H13	3568	F9	3700	F11	3718	D13	3750	G7	5250	C2	6561	H12	7361	G5	7701	C3	9037	D8	9052	E10	9107	H2	9319	H9	9504	F17	9620	A7	9711	F14
1300	H5	1600	D14	2107	E3	2119	E5	2302	G4	2501	H14	2561	G11	3101	D4	3141	C10	3302	G4	3316	E4	3550	D10	3600	C11	3701	F11	3720	E13	3751	E10	6100	D3	6562	H9	7362	B3	7730	C12	9039	B4	9054	E5	9140	B11	9320	H8	9505	G12	9621	C4	9712	H14
1375	E2	1602	B2	2108	D4	2120	E5	2303	F3	2502	G14	2562	H10	3102	E3	3142	C10	3304	F4	3317	F4	3551	D10	3601	B11	3706	F12	3721	E13	3752	G9	6500	H14	6563	H9	7371	F2	7740	G7	9041	C9	9055	E10	9142	B11	9321	G6	9506	G12	9622	C6	9713	G14
1410	D14	1701	F10	2109	C4	2121	E5	2305	F4	2503	H14	2600	B10	3103	E3	3143	B9	3305	G4	3360	H4	3552	D9	3602	C11	3707	F12	3730	D12	4002	E4	6501	H14	6564	H11	7372	G3	7741	G7	9043	C9	9056	F7	9251	B2	9323	F6	9507	G13	9701	D11	9714	H15
1500	F19	1740	H8	2110	D4	2122	F4	2306	G4	2504	F15	2601	B10	3105	D8	3144	C12	3306	F2	3361	H6	3560	H11	3603	B9	3708	B10	3740	H8	4012	B11	6502	G14	6565	H12	7500	D15	7742	G7	9044	C9	9057	E9	9302	H4	9324	F5	9508	G13	9702	D11	9715	F11
1501	G17	1750	H6	2111	D4	2123	E5	2309	F5	2505	F15	2602	C12	3106	D11	3146	B12	3307	F6	3362	C4	3561	H12	3604	B10	3709	E11	3743	H7	4013	E13	6503	H14	6566	H10	7501	G13	7743	G9	9045	D9	9058	E9	9303	F4	9325	F5	9510	G12	9703	D11	9716	F15
1502	G17	1814	H3	2112	E7	2124	E7	2310	F6	2506	G14	2702	F10	3109	D4	3147	B12	3308	G5	3364	G3	3562	H11	3605	B10	3712	D11	3744	H9	4014	E12	6504	F16	7101	C7	7550	D10	9014	F6	9046	C9	9101	D2	9304	F4	9326	F6	9602	C11	9704	D12			
1503	G15	2101	D4	2113	E8	2125	E4	2311	G6	2507	G13	2703	F10	3110	F7	3148	B11	3309	G6	3376	F3	3563	G11	3606	C9	3713	E12	3745	G6	4015	D13	6505	E15	7102	D6	7560	G10	9030	D8	9047	D9	9102	D2	9305	E2	9327	G7	9603	B5	9706	F13			
1540	E16	2102	D4	2114	E8	2140	B9	2312	G5	2508	F15	2731	C12	3111	E3	3251	B3	3310	G5	3377	F2	3564	H10	3607	C12	3714	E12	3746	H7	4016	E12	6506	F15	7140	B12	7561	G10	9031	C6	9048	F9	9103	D2	9314	G4	9370	F3	9604	B5	9707	E14			
1541	E18	2103	E7	2115	E7	2141	B10	2313	H5	2509	E15	2732	D13	3112	D3	3255	C5	3312	G4	3378	F3	3565	F9	3608	B12	3715	E13	3747	G6	4017	D13	6507	H13	7141	B12	7562	G10	9033	G8	9049	F9	9104	E3	9315	H4	9501	E18	9605	C5	9708	E15			



21

DECODER PANEL COMPONENT SIDE

| | | |

22

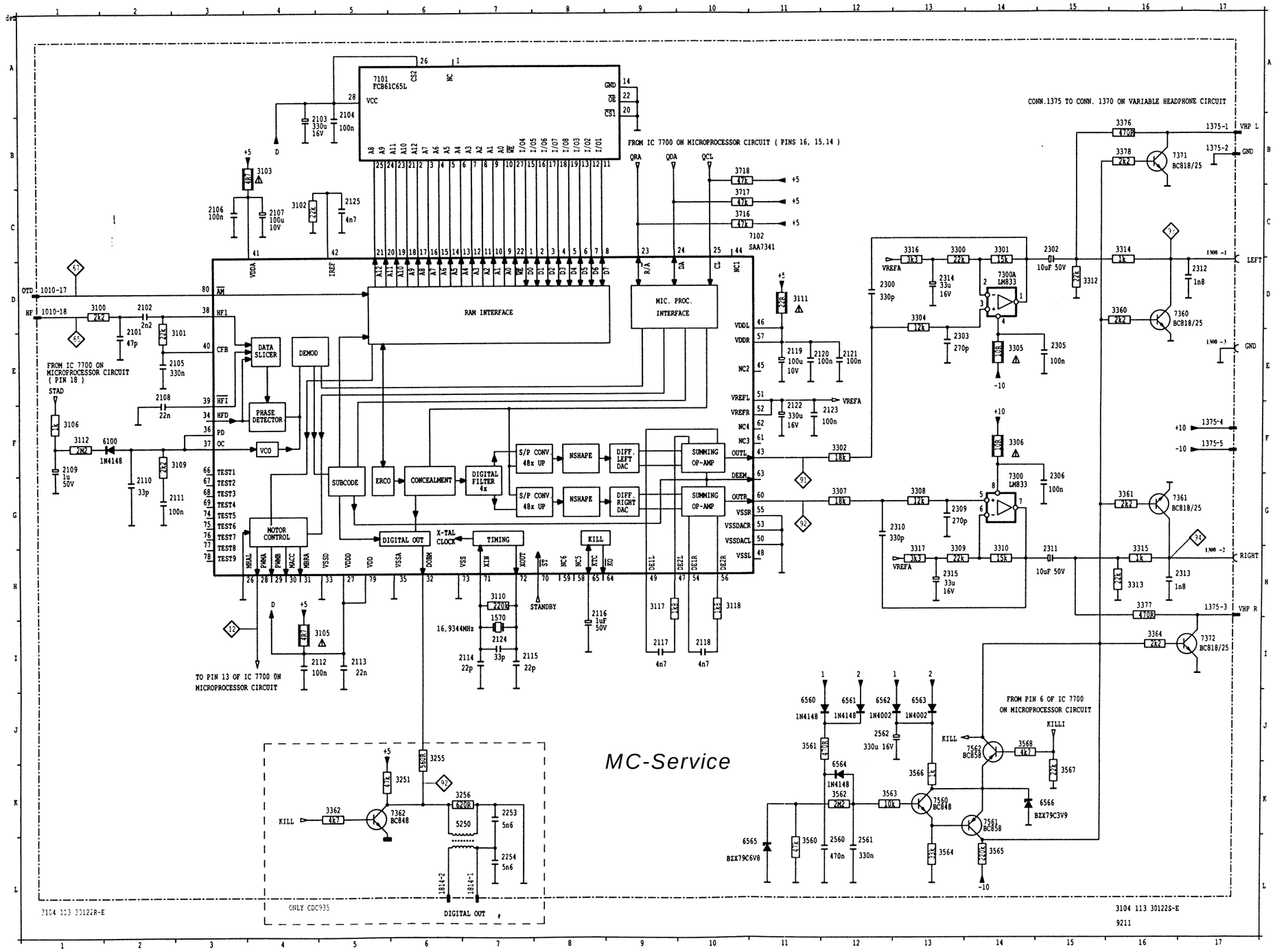
DECODER PANEL SOLDER SIDE

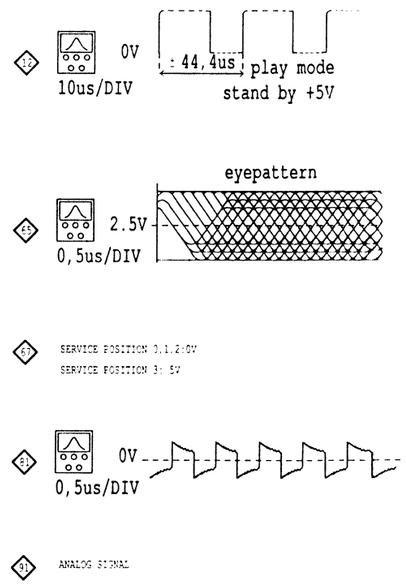
| | | |

23

DECODER CIRCUIT DIAGRAM
DECODER PART

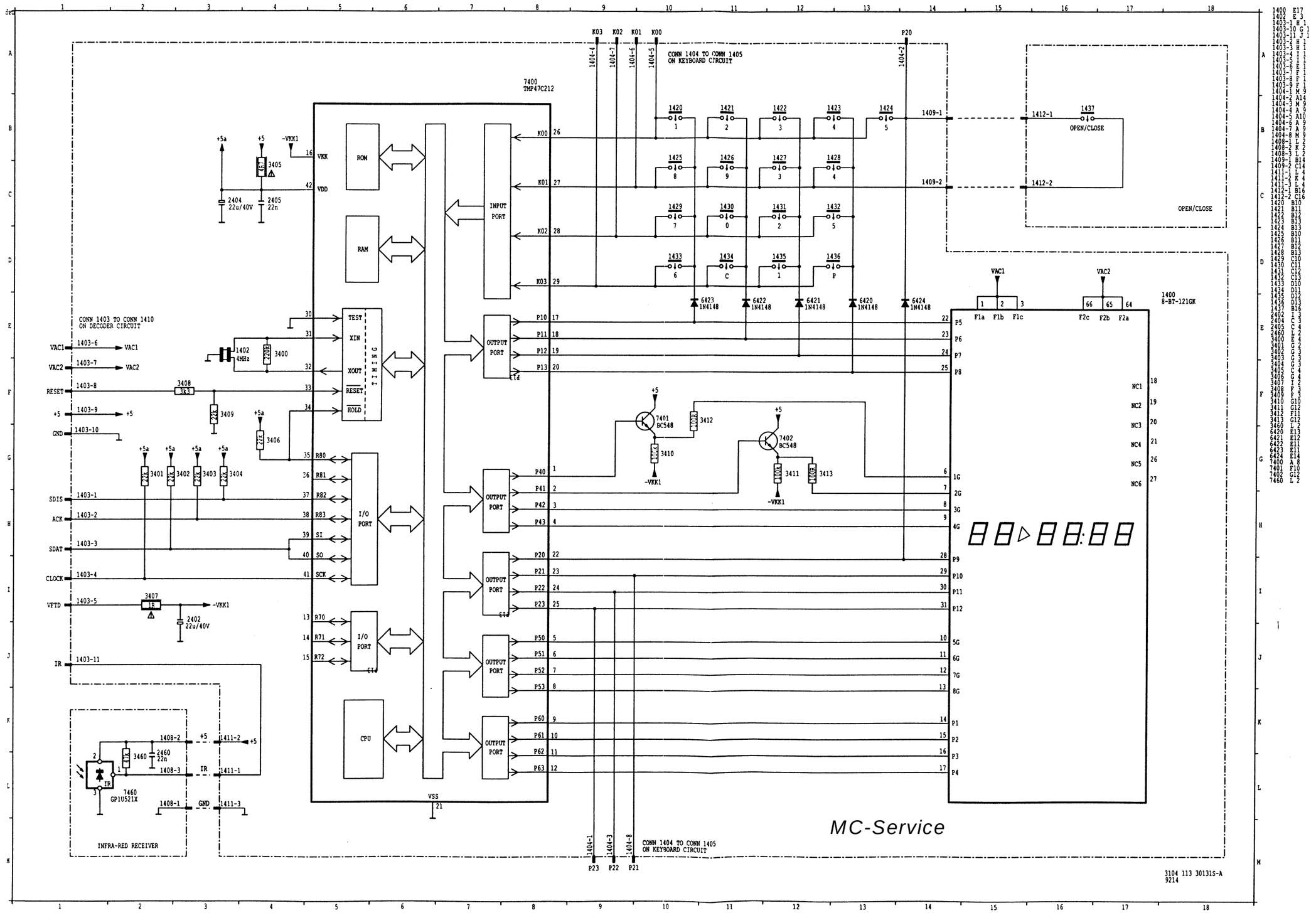
1010 D 1 1375 H17 1570 I 7 2103 B 4 2108 E 2 2113 I 5 2118 I10 2123 F12 2300 D12 2309 G13 2314 D13 3100 D 1 3106 F 1 3117 H 9 3300 C13 3306 F14 3312 D15 3317 H13 3376 B16 3562 K12 3567 K15 5250 K 7 6563 J13 7102 C10 7362 K 5 7562 J14
1010 D 1 1375 B17 1814 L 7 2104 B 5 2109 F 1 2114 I 7 2119 E11 2124 I 7 2302 C15 2310 G12 2315 H13 3101 E 2 3109 F 2 3118 H10 3301 C14 3307 G12 3313 H16 3360 D16 3377 B16 3563 K12 3568 J14 6100 F 2 6564 K12 7300 G14 7371 B16
1300 H17 1375 B17 1814 L 6 2105 E 2 2110 G 2 2115 I 7 2120 E11 2125 C 5 2303 E13 2311 G15 2560 L12 3102 C 4 3110 H 7 3251 K 6 3302 F12 3308 G13 3314 C16 3361 G16 3378 B16 3564 L13 3716 C10 6560 J11 6565 L11 7300 D14 7372 I17
1300 C17 1375 F17 2101 E 2 2106 C 3 2111 G 2 2116 H 8 2121 E12 2253 K 7 2305 E15 2312 D17 2561 L12 3103 B 4 3111 D11 3255 J 6 3304 D13 3309 H13 3315 H16 3362 K 5 3560 L11 3565 L14 3717 C10 6561 J12 6566 K15 7360 D16 7560 K13
1300 E17 1375 F17 2102 D 2 2107 C 4 2112 I 5 2117 I10 2122 F11 2254 L 7 2306 G15 2313 H16 2562 J12 3105 I 5 3112 F 1 3256 K 6 3305 E14 3310 H14 3316 C13 3364 I16 3561 J11 3566 K13 3718 B10 6562 J12 7101 A 5 7361 G16 7561 K14





24

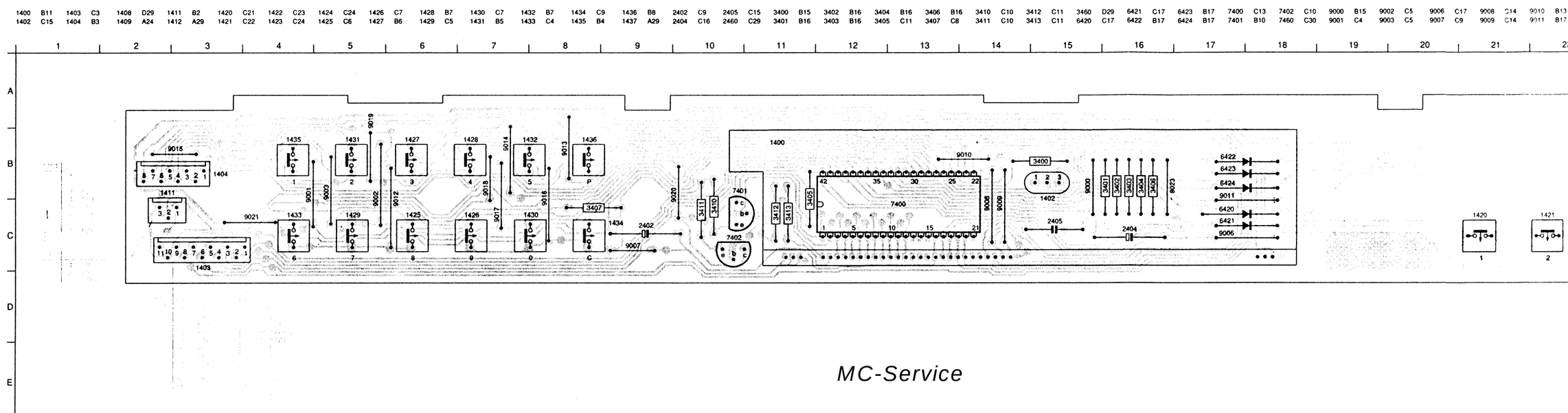
CONTROL & DISPLAY CIRCUIT DIAGRAM CDC925
I.R. CIRCUIT DIAGRAM



MC-Service

25

CONTROL & DISPLAY PANEL CDC925
OPEN/CLOSE - I.R. PANEL



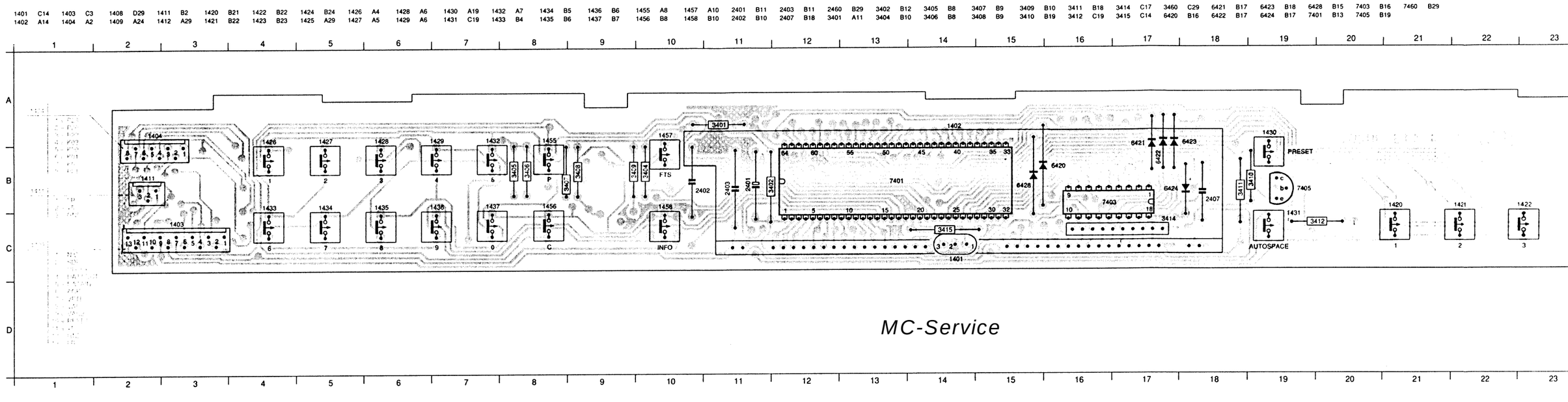
MC-Service

25

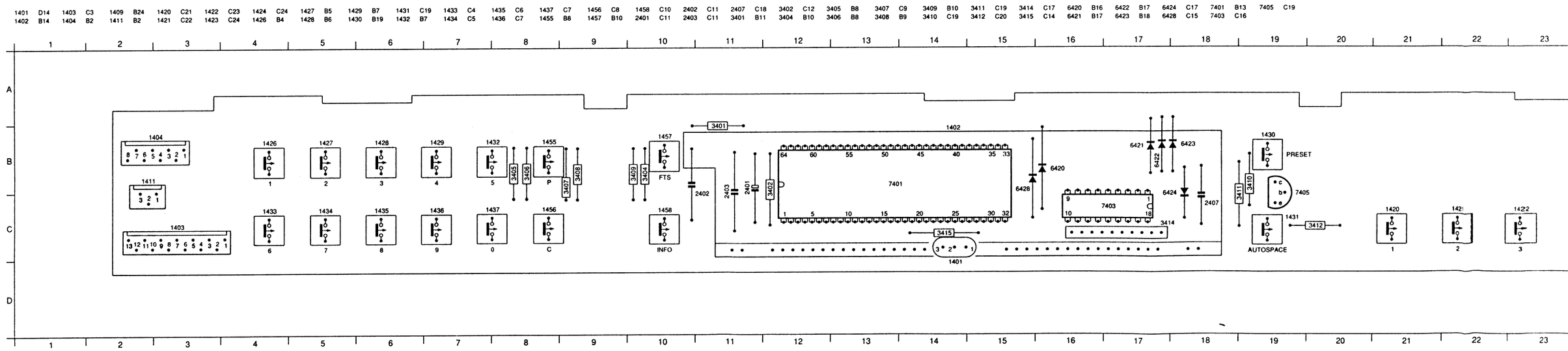
| | | |

26

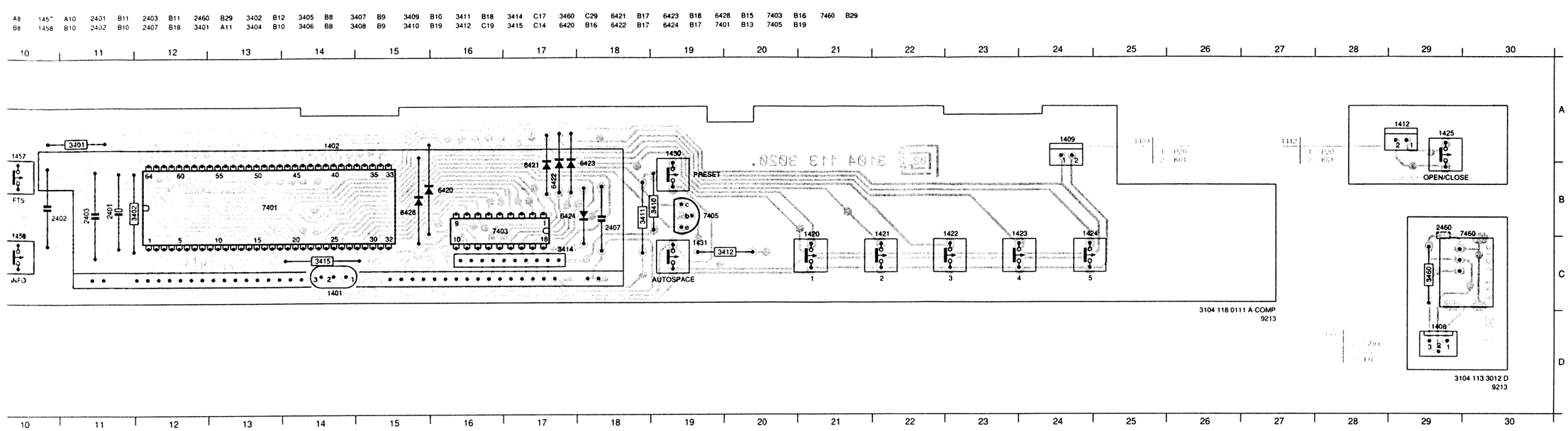
CONTROL & DISPLAY PANEL CDC935
OPEN/CLOSE PANEL - I.R. PANEL

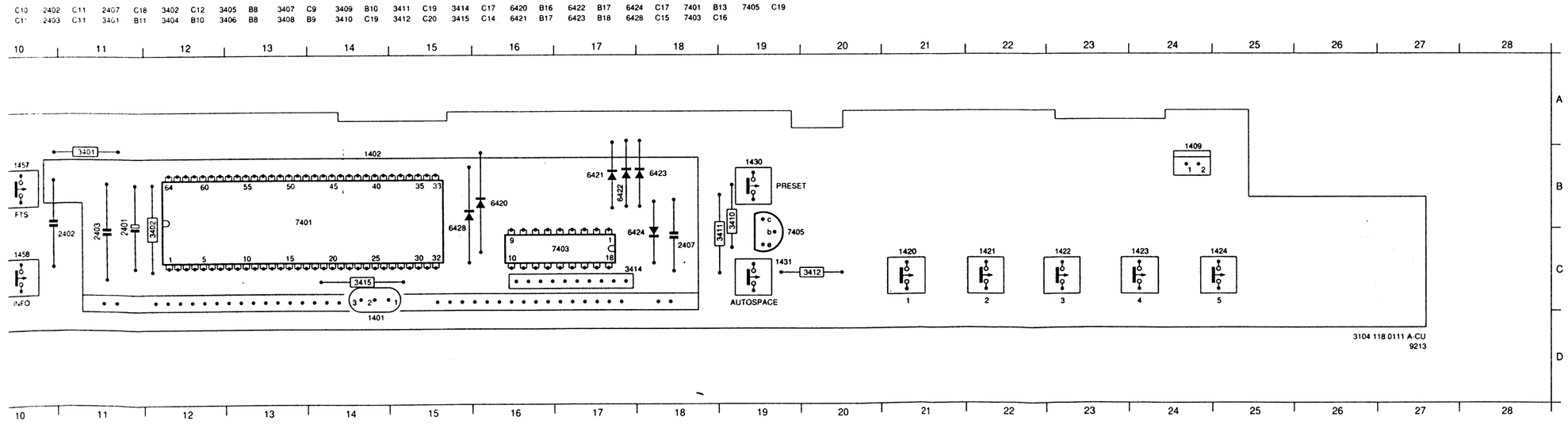


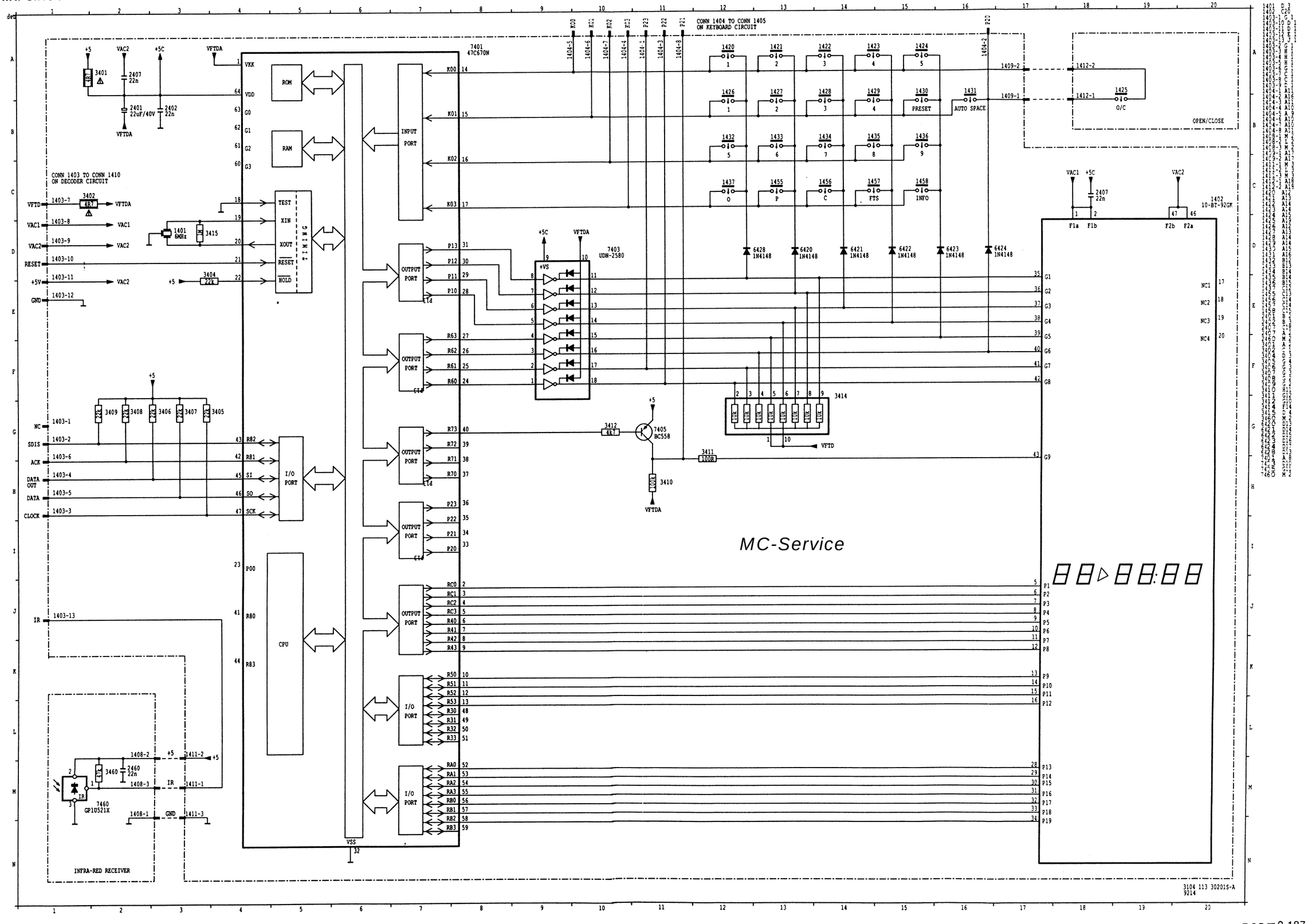
MC-Service



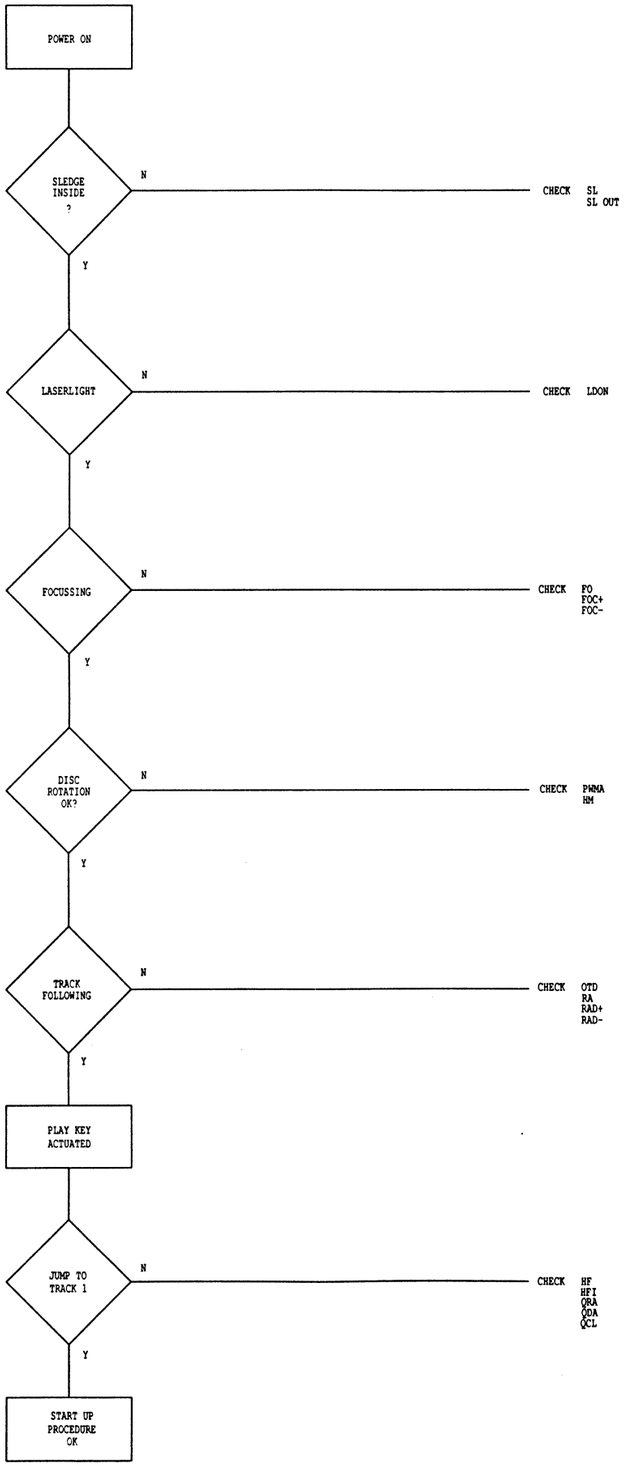
26


A8 1457 B8 1458 A10 B10 2401 2402 B11 B10 2403 2407 B11 B18 2460 3401 B29 A11 3402 3404 B12 B10 3405 3406 B8 B8 3407 3408 B9 B9 3409 3410 B10 B19 3411 3412 B18 C19 3414 3415 C17 C14 C17 C14 3460 6420 C29 B16 6421 6422 B17 B17 6423 6424 B18 B17 6428 7401 B15 B13 7403 7405 B16 B19 7460 B29
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
A B C D
1457 FTS 1458 INFO
3401 2402 2403 2401 3402
1402 7401 64 60 55 50 45 40 35 33 1 5 10 15 20 25 30 32
6428 6420 6421 6422 6423 6424 2407
7403 9 1 10 18 3414
3415 3 2 1 1401
1430 PRESET c b e 7405 1431 3412 AUTOSPACE
3411 3410
1420 1421 1422 1423 1424 1 2 3 4 5
1409 1 2
1412 2 1 1425 OPEN/CLOSE
2460 7460 3460 1408 3 1
3104 118 0111 A-COMP 9213
3104 113 3012 D 9213


C10 2402 C11 2407 C18 3402 C12 3405 B8 3407 C9 3409 B10 3411 C19 3414 C17 6420 B16 6422 B17 6424 C17 7401 B13 7405 C19
C11 2403 C11 3401 B11 3404 B10 3406 B8 3408 B9 3410 C19 3412 C20 3415 C14 6421 B17 6423 B18 6428 C15 7403 C16
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
A B C D
1457 FTS 1458 INFO
3401 2402 2403 2401 3402
1402 7401 64 60 55 50 45 40 35 33 1 5 10 15 20 25 30 32
6428 6420 6421 6422 6423 6424 2407
7403 9 1 10 18 3414
3415 3 2 1 1401
1430 PRESET c b e 7405 1431 3412 AUTOSPACE
3411 3410
1420 1421 1422 1423 1424 1 2 3 4 5
1409 1 2
3104 118 0111 A-CU 9213

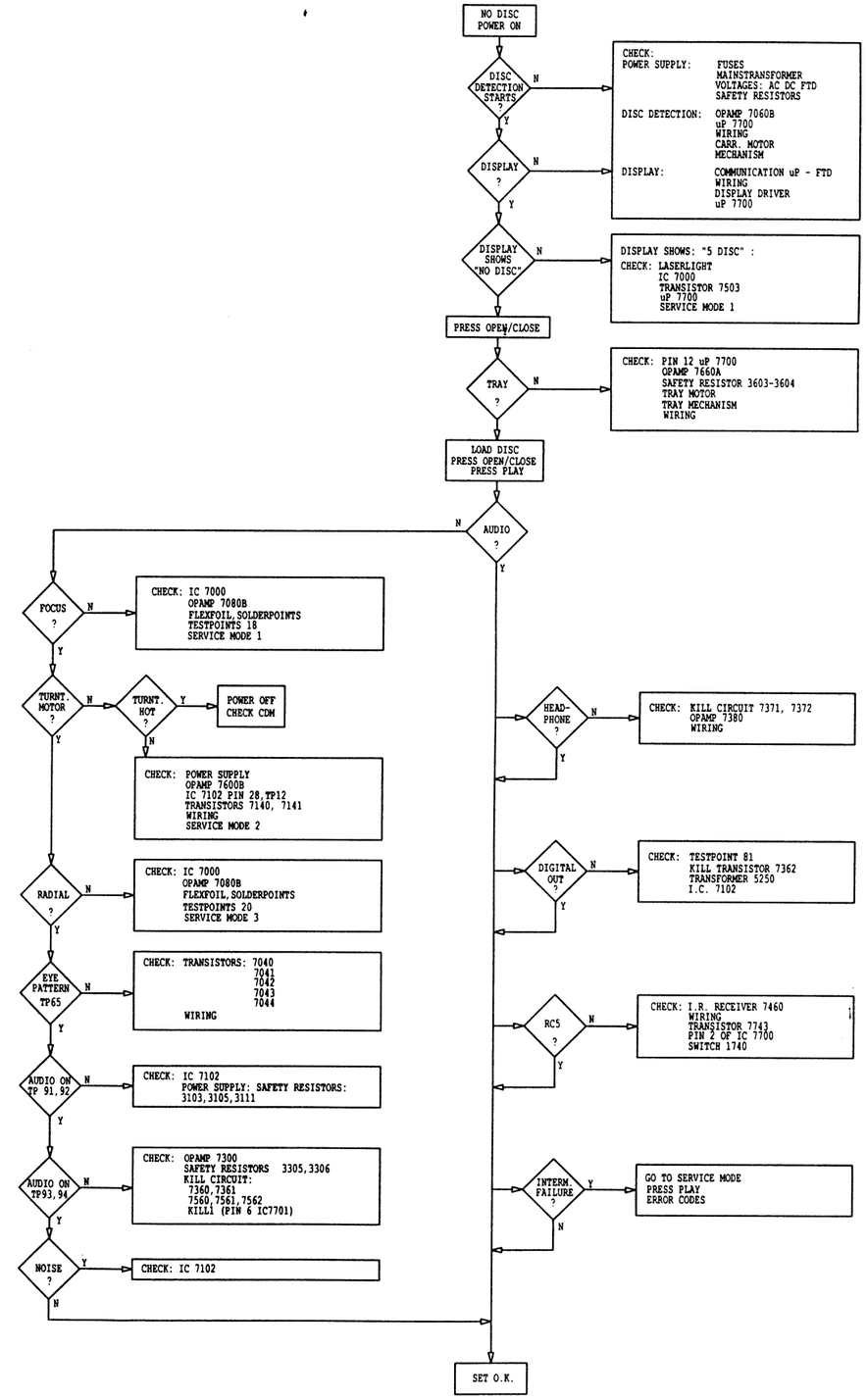

7401
47C670N
CONN 1404 TO CONN 1405
ON KEYBOARD CIRCUIT
CONN 1403 TO CONN 1410
ON DECODER CIRCUIT
ROM
RAM
CPU
INPUT PORT
OUTPUT PORT
I/O PORT
TIMING
TEST
XIN
XOUT
RESET
HOLD
7403
UDN-2580
7405
BC558
7460
GP10521X
INFRA-RED RECEIVER
1402
10-BT-92GK
OPEN/CLOSE
AUTO SPACE
PRESET
O/C
FTS
INFO
MC-Service
3104 113 30201S-A
9214

START UP PROCEDURE



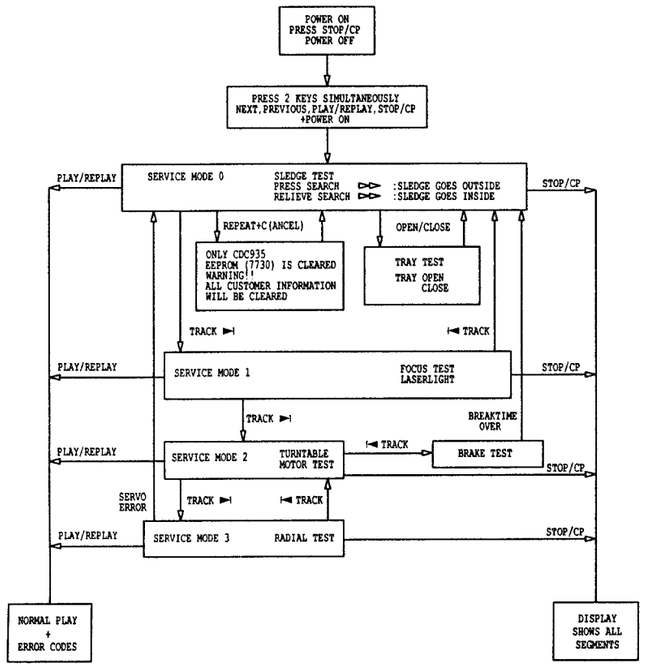
HAS1027
9214

FAULTFINDING GUIDE



HAS1064
9214

SERVICE TEST PROGRAM



HAS1065
9214

ERROR CODE TABLE

SYSTEM ERRORS CDC925 CDC935

Err 02	Focus error
Err 07	Subcode error
Err 08	TOC error
Err 09	Decoder error (SAA7341)
Err 10	Radial error
Err 11	Non fatal sledge error
Err 12	Fatal sledge error
Err 13	Turntable motor error
Err 30	Groove error
Err 31	Search time out error
Err 32	Binary search time out error
Err 33	Index not found
Err 34	Relative time not found
Err 35	Carrousel error

SYSTEM ERRORS CDC935 ONLY

Err 36	Eeprom fail error
Err 37	I²C communication error
Err 38	Eeprom address too high error
Err 39	No programmed track
Err 40	FTS eeprom is full

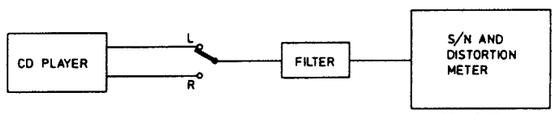
OPERATING ERROR CODES AND MESSAGES

CODES CDC925	MESSAGES CDC935
Err 40	" GO INTO STOP "
Err 41	" GO INTO PLAY "
Err 42	" NO PROGRAM "
Err 43	" PRESS REVIEW "
Err 44	" EDIT ACTIVE "
Err 45	" CD DUBBING ACTIVE "
Err 46	" PROGRAM CANCELLED "
Err 47	" USE 0-9 "
Err 48	" WRONG TRACK "
Err 49	" WRONG TIME "
Err 50	" NO EDIT POSSIBLE "
Err 51	" WRONG DISC "
Err 52	" INSERT DISC "
	" ERROR "
	" SCAN "
	" PROGRAM "
	" PROGRAM FULL "
	" NO DISC "
	" LOADED "
	" OPEN "
	" CLOSE "
	" PLAY "
	" EDIT "
	" DISC "
	" SPEC "
	" SHUFFLE LOGO IN DISPLAY "

SPECIFICATIONS MEASUREMENT

SIGNAL	AUDIO SIGNALS DISC 1	M.P.	REMARKS
ANALOG OUT LEFT 1300 - 1	TOTAL HARMONIC DISTORTION TRACKS 10 - 23	FILTER OUTPUT	SEE TECHNICAL DATA
ANALOG OUT RIGHT 1300 - 2			SEE DRAWING
ANALOG OUT LEFT 1300 - 1	SIGNAL-TO-NOISE RATIO TRACK 1 REFERENCE LEVEL TRACK 49	FILTER OUTPUT	SEE TECHNICAL DATA
ANALOG OUT RIGHT 1300 - 2			SEE DRAWING

FILTER = 13th ORDER FILTER 4822 395 30204



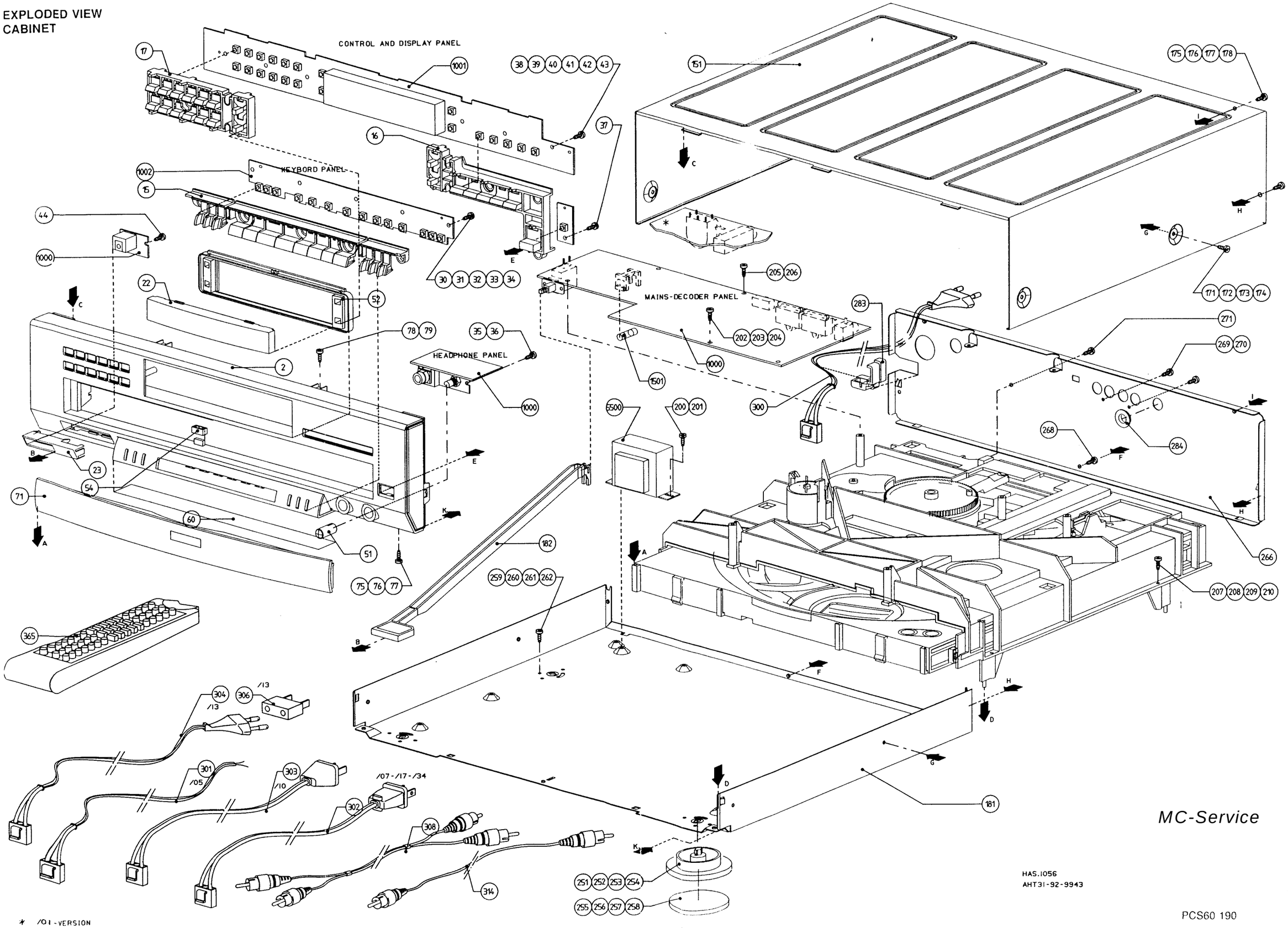
e.g. SOUND TECHNOLOGY
ST 1700B

30 459 A12

MC-Service

30

EXPLODED VIEW
CABINET



MC-Service

HAS.1056
AHT31-92-9943

MECHANICAL PARTSLIST

Partslist Cabinet

2	4822 426 10043	FRONT CDC925
2	4822 426 10044	FRONT CDC935
15	4822 410 61954	KNOB UNIT CDC925
15	4822 410 61961	KNOB UNIT CDC935
16	4822 410 61959	KNOB UNIT
17	4822 410 61962	KNOB UNIT

Remark on item. 16 and 17 for CDC925:
For item 16: cut the left buttons
(Presets and Autospace)
For item 17: cut the right buttons
(Info and FTS)

22 + 52:	4822 466 62222	WINDOW
23	4822 450 61831	WINDOW
51	4822 410 61705	BUTTON
54	4822 466 93132	GUIDE
60	4822 444 60815	COVER PLATE
71	4822 466 93133	TRAYFRONT CDC925
71	4822 444 60839	TRAYFRONT CDC935
89	4822 466 93131	PRESSURE PLATE
151	4822 444 60838	COVER
182	4822 403 70601	POWERROD
251	4822 462 41888	FOOT
255	4822 462 41887	FELT
283	4822 532 60948	BUSHING
300 ▲	4822 321 10791	MAINSFLEX /00 /01
301 ▲	4822 321 10823	MAINSFLEX /05
302 ▲	4822 321 10849	MAINSFLEX /17
303 ▲	4822 321 10828	MAINSFLEX /10
308	4822 321 22832	SBC1072
314	4822 321 61452	CONNECTION CABLE
365	4822 218 10461	RD6831/00

Partslist Loading

90	4822 256 91912	PRESSURE RING HOLDER
91 + 92:	4822 532 52386	PRESSURE RING
93 + 94:	4822 426 90109	FRAME
95	4822 522 33255	GEARWHEEL
96	4822 535 40105	CRANK
98	4822 691 30278	CDM12.1
99	4822 403 70598	CDM LOCKING
100	4822 466 93129	ROTARY DISC
103	4822 401 11447	TRAY TUMBLER
104	4822 466 93065	BLOCK
108 + 110 + 121 + 123 + 146 + 148:	4822 444 50685	TRAY ASSY
109	4822 532 51756	GROMMET
110	4822 401 11444	BRACKET
113	4822 492 52313	TENSION SPRING
114	4822 256 91915	SUPPORT
115	4822 466 93134	SLIDE STRIP
116	4822 522 33256	CAM WHEEL
119	4822 528 50335	MOTOR
120	4822 528 50335	MOTOR
121	4822 528 50334	PULLEY
122	4822 358 10115	DRIVING BELT
127	4822 466 93132	GUIDE
131	4822 466 93132	GUIDE
132	4822 403 70599	KEY UNIT
136	4822 528 70646	ROLLER
144	4822 528 50334	PULLEY
145	4822 358 10115	DRIVING BELT
148	4822 492 52123	COMPRESSION SPRING
149	4822 492 52123	COMPRESSION SPRING
150	4822 492 52123	COMPRESSION SPRING

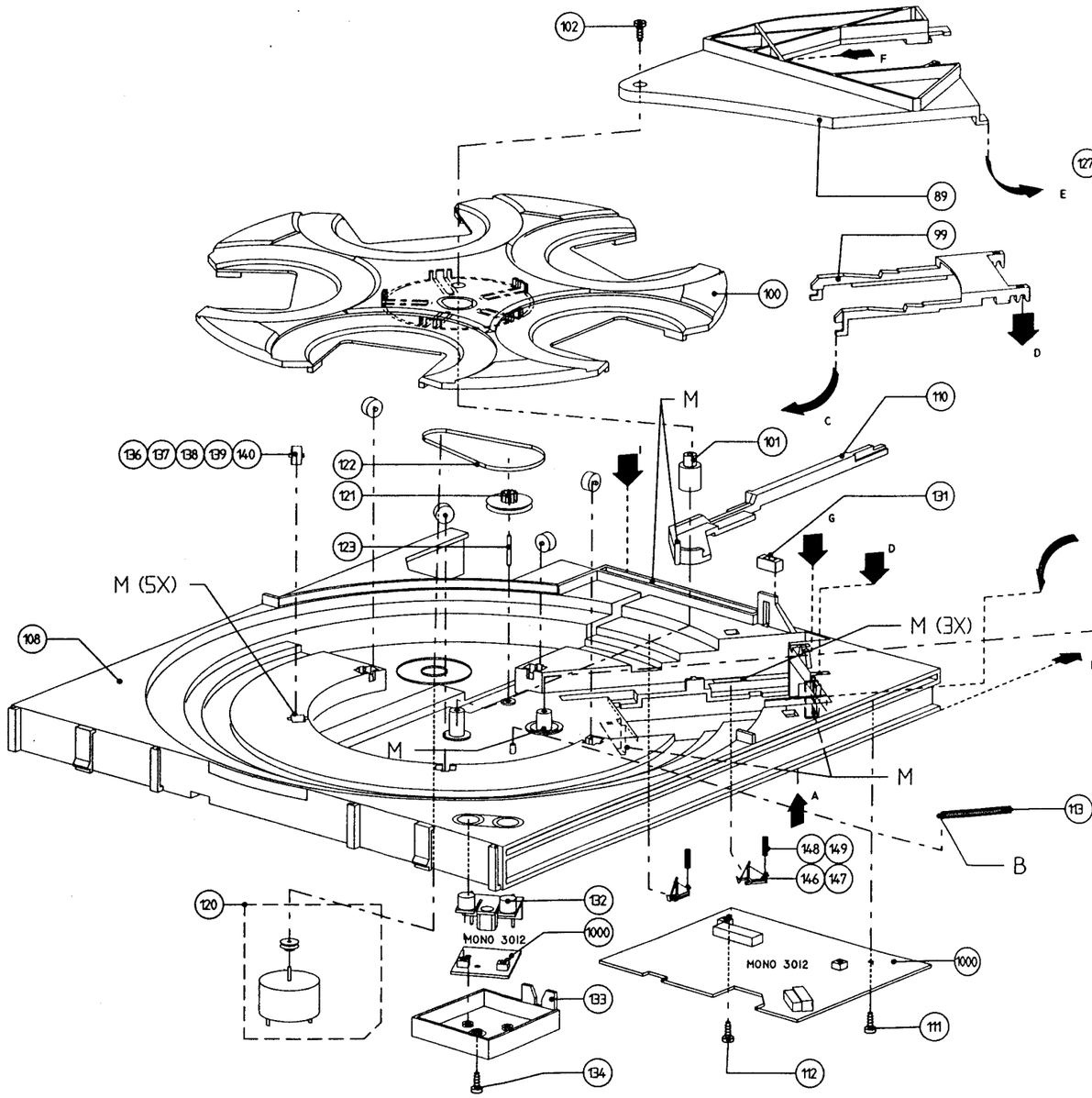
The following parts are only available during production period on special request.

101,133, 146, 147, 181, 266

Screws

Taptite	M3x6	75, 76, 77, 205, 206
	M3x6 + washer	205, 206
	M3x28	207, 208, 209, 210
Plastite	M3x10	30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 78, 79, 111, 112, 202, 203, 204, 259, 260, 261, 262, 269, 270, 271
	M3x10 + washer	97, 117, 126, 171, 172, 173, 174, 175, 176, 177, 178, 268
	M3x16	102, 134

EXPLODED VIEW LOADING



31

EXPLODED VIEW
LOADING

SURE
HOLDER
SURE

1E
WHEEL
JK

12.1
LOCKING
RY DISC
TUMBLER
K

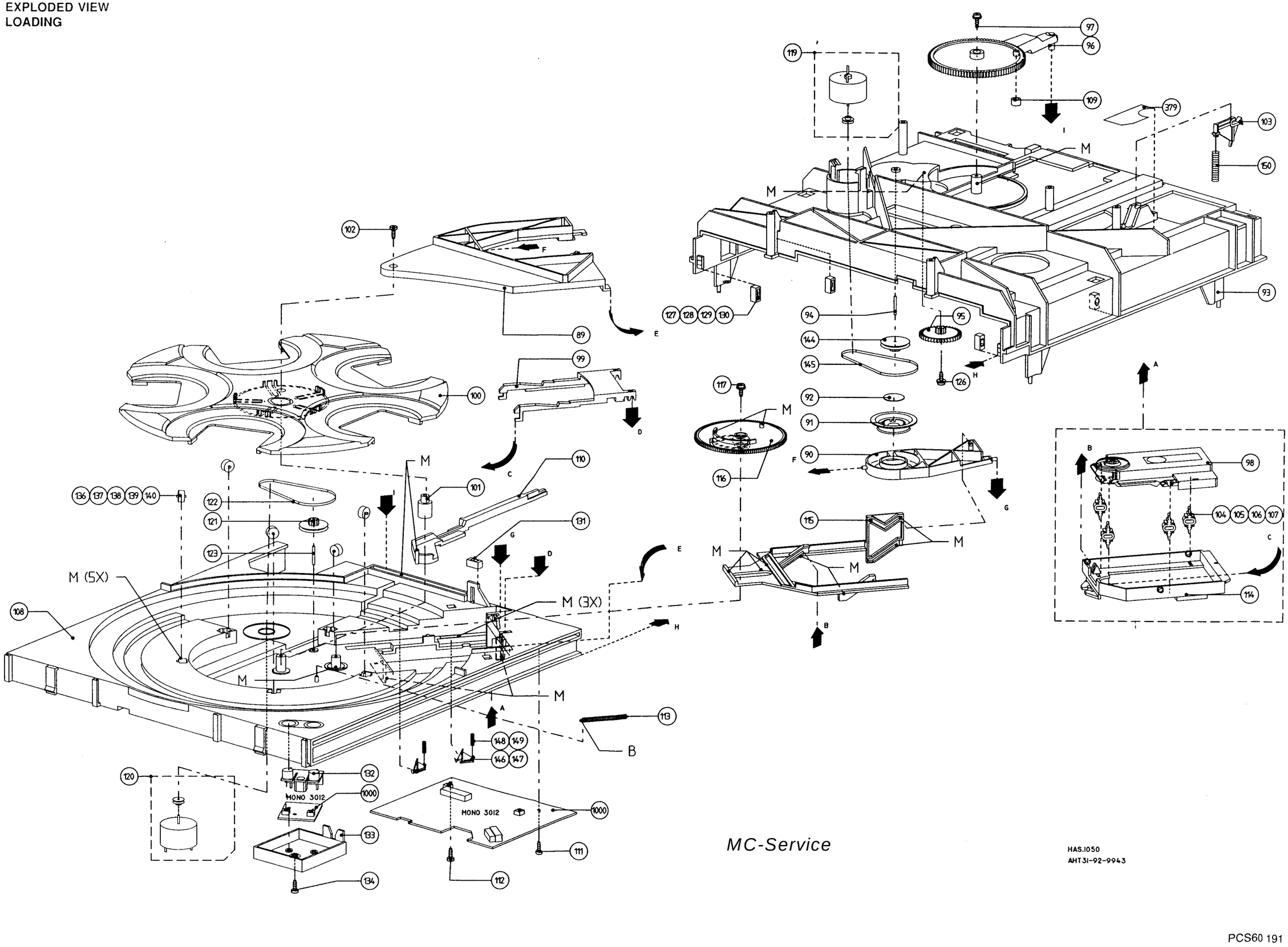
8:
ASSY

MMET
KET
ION SPRING
ORT
E STRIP

WHEEL
OR
OR
EY
NG BELT

E
E
JNIT
ER
EY

NG BELT
PRESSION
NG
PRESSION
NG
PRESSION
NG



MC-Service

HAS.1050
AHT31-92-9943

SERVO - DECODER / HEADPHONE PANEL

MISCELLANEOUS

	⚠	4822 323 50157	FLEXFOIL
23	⚠	4822 256 30274	FUSE HOLDER
26		4822 255 40991	LED SOCKET
1300		4822 267 31171	ANALOG OUT SOCKET
1370	⚠	4822 267 40624	RFK5 CONNECTOR
1371		4822 267 31453	PHONE SOCKET
1375	⚠	4822 267 40624	RFK5 CONNECTOR
1500	⚠	4822 276 13216	POWER SWITCH
1504		4822 071 51601	FUSE T160mA
1505		4822 071 51601	FUSE T160mA
1602		4822 276 13106	TACT SWITCH
1631		4822 276 13114	TACT SWITCH
1632		4822 276 13106	TACT SWITCH
1633		4822 276 13114	TACT SWITCH
1650		4822 276 13106	TACT SWITCH
1651		4822 267 40696	RFK5 CONNECTOR
1652		4822 267 40696	RFK5 CONNECTOR
1740		4822 276 12339	SWITCH
1750		4822 267 31455	ESI IN/OUT SOCKET
1814		4822 267 31137	DIGITAL OUT SOCKET

CRYSTAL

1002	4822 242 73557	RESONATOR 8,46 MHz
1570	4822 242 81151	CRYSTAL 16,9344 MHz
1701	4822 242 72527	RESONATOR 4 MHz

CAPACITORS

2000	5322 122 31865	1,5nF 10% 63V
2001	5322 116 80853	560pF 5% 63V
2003	4822 122 32575	220pF 10% 500V
2004	4822 122 32575	220pF 10% 500V
2005	4822 122 32575	220pF 10% 500V
2006	4822 122 32575	220pF 10% 500V
2007	4822 122 32575	220pF 10% 500V
2008	4822 122 32575	220pF 10% 500V
2009	4822 122 33496	100nF 10% 63V
2010	5322 124 21643	22µF 20% 40V
2011	4822 122 33496	100nF 10% 63V
2012	5322 124 21643	22µF 20% 40V
2014	5322 122 32654	22nF 10% 63V
2015	4822 124 41596	22µF 20% 50V
2016	4822 122 33496	100nF 10% 63V
2017	4822 126 10326	180pF 5% 50V
2018	4822 126 10326	180pF 5% 50V
2019	5322 122 31863	330pF 5% 50V
2040	5322 122 31842	330pF 5% 50V
2041	4822 126 10326	180pF 5% 50V
2042	4822 122 33496	100nF 10% 63V
2043	4822 124 41596	22µF 20% 50V
2044	5322 122 32452	47pF 5% 63V
2045	5322 122 32531	100pF 5% 50V
2046	5322 122 32965	18pF 5% 50V
2047	4822 126 10326	180pF 5% 50V
2048	5322 124 21643	22µF 20% 40V
2049	5322 122 32452	47pF 5% 63V
2060	4822 122 33496	100nF 10% 63V
2061	4822 122 33496	100nF 10% 63V
2062	4822 124 41596	22µF 20% 50V
2063	4822 124 41596	22µF 20% 50V
2064	4822 122 33342	33nF 10% 63V
2065	4822 122 33496	100nF 10% 63V
2066	4822 122 33175	2,2nF 20% 50V
2070	5322 126 10223	4,7nF 10% 63V
2071	4822 122 33496	100nF 10% 63V
2072	4822 126 10326	180pF 5% 50V
2080	4822 122 33496	100nF 10% 63V
2081	4822 124 41596	22µF 20% 50V
2082	4822 122 33496	100nF 10% 63V
2083	4822 124 41596	22µF 20% 50V
2084	4822 126 10326	180pF 5% 50V
2085	4822 122 33496	100nF 10% 63V
2086	5322 126 10465	3,9nF 10% 63V
2101	5322 122 32452	47pF 5% 63V
2102	4822 122 33175	2,2nF 20% 50V
2103	4822 124 40849	330µF 20% 16V
2104	4822 122 33496	100nF 10% 63V
2105	5322 121 42661	330nF 5% 63V
2106	4822 122 33496	100nF 10% 63V
2107	4822 124 41584	100µF 20% 10V
2108	4822 122 33809	22nF 20% 50V
2109	4822 124 40242	1µF 20% 63V
2110	5322 122 32659	33pF 5% 50V
2111	5322 121 42386	100nF 5% 63V
2112	4822 122 33496	100nF 10% 63V
2113	4822 122 10166	22nF 30% 16V
2114	5322 122 32658	22pF 5% 50V
2115	5322 122 32658	22pF 5% 50V
2116	4822 124 40242	1µF 20% 63V
2117	5322 126 10223	4,7nF 10% 63V
2118	5322 126 10223	4,7nF 10% 63V
2119	4822 124 41584	100µF 20% 10V
2120	4822 122 33496	100nF 10% 63V
2121	4822 122 33496	100nF 10% 63V
2122	4822 124 40849	330µF 20% 16V
2123	4822 122 33496	100nF 10% 63V
2124	5322 122 32659	33pF 5% 50V
2125	5322 126 10223	4,7nF 10% 63V
2140	4822 122 33496	100nF 10% 63V
2141	4822 122 32542	47nF 10% 63V
2253	4822 122 32646	5,6nF 10% 50V
2254	4822 122 32646	5,6nF 10% 50V
2300	5322 122 31863	330pF 5% 50V
2302	4822 124 40435	10µF 20% 50V
2303	4822 122 33216	270pF 5% 50V
2305	4822 122 33496	100nF 10% 63V
2306	4822 122 33496	100nF 10% 63V
2309	4822 122 33216	270pF 5% 50V
2310	5322 122 31863	330pF 5% 50V
2311	4822 124 40435	10µF 20% 50V
2312	4822 122 33219	1,8nF 10% 50V
2313	4822 122 33219	1,8nF 10% 50V
2314	4822 124 40272	33µF 20% 16V
2315	4822 124 40272	33µF 20% 16V
2380	4822 122 33809	22nF 20% 50V
2381	4822 122 33128	15nF 10% 63V
2382	4822 122 33128	15nF 10% 63V
2500	4822 122 33809	22nF 20% 50V
2501	4822 122 33809	22nF 20% 50V
2502	4822 122 33809	22nF 20% 50V
2503	4822 122 33809	22nF 20% 50V
2504	4822 122 33809	22nF 20% 50V
2505	4822 122 33809	22nF 20% 50V
2506	4822 124 23268	3300µF 20% 16V
2507	4822 124 40272	33µF 20% 16V
2508	5322 124 22094	220µF 20% 50V
2509	4822 124 41596	22µF 20% 50V
2510	4822 124 80148	2200µF 20% 16V
2512	4822 124 40272	33µF 20% 16V
2513	4822 124 40272	33µF 20% 16V
2544	⚠ 4822 126 10454	3,3nF 20% 400V
2560	4822 121 51252	470nF 5% 63V
2561	5322 121 42661	330nF 5% 63V
2562	4822 124 40849	330µF 20% 16V
2600	4822 122 33496	100nF 10% 63V
2601	4822 122 33496	100nF 10% 63V
2602	4822 122 33496	100nF 10% 63V
2612	4822 122 33496	100nF 10% 63V
2702	4822 124 40272	33µF 20% 16V
2703	5322 122 32654	22nF 10% 63V
2731	4822 122 33809	22nF 20% 50V
2732	4822 124 40272	33µF 20% 16V
2740	4822 124 40433	47µF 20% 25V
2741	4822 122 33809	22nF 20% 50V

RESISTORS

3000	4822 050 21003	10k 1% 0,6W
3001	4822 050 21003	10k 1% 0,6W
3002	4822 050 21003	10k 1% 0,6W
3003	4822 050 21003	10k 1% 0,6W
3004	4822 050 21003	10k 1% 0,6W
3005	4822 050 21003	10k 1% 0,6W
3007	⚠ 4822 052 10478	4Ω7 5% 0,33W
3008	⚠ 4822 052 10478	4Ω7 5% 0,33W
3009	4822 051 20105	1M 5% 0,1W
3010	4822 050 21003	10k 1% 0,6W
3011	4822 051 20103	10k 5% 0,1W
3012	4822 050 21002	1k 1% 0,6W
3013	4822 050 21002	1k 1% 0,6W
3014	4822 050 28201	820Ω 5% 0,125W
3017	4822 050 21204	120k 1% 0,6W
3018	4822 050 21204	120k 1% 0,6W
3019	4822 050 25603	56k 1% 0,6W
3039	4822 051 10101	100Ω 5% 0,125W
3040	4822 051 10101	100Ω 2% 0,25W
3041	4822 051 20434	430k 5% 0,1W
3042	4822 051 20434	430k 5% 0,1W
3043	4822 051 10182	1k8 5% 0,125W
3044	4822 051 10182	1k8 2% 0,25W
3045	4822 051 10101	100Ω 2% 0,25W
3046	4822 051 20362	3k6 5% 0,1W
3047	4822 050 23903	39k 5% 0,125W
3048	4822 050 21002	1k 1% 0,6W
3049	4822 051 10101	100Ω 2% 0,25W
3050	4822 050 21002	1k 1% 0,6W
3051	4822 050 24301	430Ω 5% 0,125W
3053	4822 051 20334	330k 5% 0,1W
3054	4822 051 20303	30k 5% 0,1W
3055	4822 050 21002	1k 5% 0,125W
3060	4822 051 20103	10k 5% 0,1W
3061	4822 050 26802	6k8 1% 0,6W
3062	4822 051 20153	15k 5% 0,1W
3063	4822 050 21003	10k 1% 0,6W
3064	4822 116 52244	15k 5% 0,5W
3065	⚠ 4822 052 10229	22Ω 5% 0,33W
3066	⚠ 4822 052 10478	4Ω7 5% 0,33W
3067	⚠ 4822 052 10478	4Ω7 5% 0,33W
3070	4822 116 52244	15k 5% 0,5W
3071	4822 051 20103	10k 5% 0,1W
3072	4822 050 26802	6k8 1% 0,6W
3073	⚠ 4822 052 10229	22Ω 5% 0,33W
3074	4822 116 52244	15k 5% 0,5W
3075	4822 050 21003	10k 1% 0,6W
3080	4822 051 20682	6k8 5% 0,1W
3081	4822 050 24702	4k7 1% 0,6W
3082	4822 116 52244	15k 5% 0,5W
3085	4822 050 21003	10k 1% 0,6W
3086	⚠ 4822 052 10229	22Ω 5% 0,33W
3087	4822 116 52244	15k 5% 0,5W
3100	4822 050 22202	2k2 1% 0,6W
3101	4822 050 22203	22k 1% 0,6W
3102	4822 050 22203	22k 1% 0,6W
3103	⚠ 4822 052 10478	4Ω7 5% 0,33W
3105	⚠ 4822 052 10478	4Ω7 5% 0,33W
3106	4822 050 21002	1k 1% 0,6W
3109	4822 050 22202	2k2 1% 0,6W
3110	4822	
3111	⚠ 4822	
3112	4822	
3117	4822	
3118	4822	
3140	4822	
3141	4822	
3142	4822	
3143	⚠ 4822	
3144	4822	
3146	4822	
3147	4822	
3148	4822	
3251	4822	
3255	4822	
3256	4822	
3300	4822	
3301	4822	
3302	4822	
3304	4822	
3305	⚠ 4822	
3306	⚠ 4822	
3307	4822	
3308	4822	
3309	4822	
3310	4822	
3312	4822	
3313	4822	
3314	4822	
3315	4822	
3316	4822	
3317	4822	
3360	4822	
3361	4822	
3362	4822	
3364	4822	
3376	4822	
3377	4822	
3378	4822	
3380	4822	
3381	4822	
3382	4822	
3383	4822	
3384	4822	
3385	4822	
3386	4822	
3408	4822	
3409	4822	
3501	4822	
3550	4822	
3551	4822	
3552	4822	
3560	4822	
3561	4822	

2253	4822 122 32646	5,6nF 10% 50V
2254	4822 122 32646	5,6nF 10% 50V
2300	5322 122 31863	330pF 5% 50V
2302	4822 124 40435	10µF 20% 50V
2303	4822 122 33216	270pF 5% 50V
2305	4822 122 33496	100nF 10% 63V
2306	4822 122 33496	100nF 10% 63V
2309	4822 122 33216	270pF 5% 50V
2310	5322 122 31863	330pF 5% 50V
2311	4822 124 40435	10µF 20% 50V
2312	4822 122 33219	1,8nF 10% 50V
2313	4822 122 33219	1,8nF 10% 50V
2314	4822 124 40272	33µF 20% 16V
2315	4822 124 40272	33µF 20% 16V
2380	4822 122 33809	22nF 20% 50V
2381	4822 122 33128	15nF 10% 63V
2382	4822 122 33128	15nF 10% 63V
2500	4822 122 33809	22nF 20% 50V
2501	4822 122 33809	22nF 20% 50V
2502	4822 122 33809	22nF 20% 50V
2503	4822 122 33809	22nF 20% 50V
2504	4822 122 33809	22nF 20% 50V
2505	4822 122 33809	22nF 20% 50V
2506	4822 124 23268	3300µF 20% 16V
2507	4822 124 40272	33µF 20% 16V
2508	5322 124 22094	220µF 20% 50V
2509	4822 124 41596	22µF 20% 50V
2510	4822 124 80148	2200µF 20% 16V
2512	4822 124 40272	33µF 20% 16V
2513	4822 124 40272	33µF 20% 16V
2544 ⚠	4822 126 10454	3,3nF 20% 400V
2560	4822 121 51252	470nF 5% 63V
2561	5322 121 42661	330nF 5% 63V
2562	4822 124 40849	330µF 20% 16V
2600	4822 122 33496	100nF 10% 63V
2601	4822 122 33496	100nF 10% 63V
2602	4822 122 33496	100nF 10% 63V
2612	4822 122 33496	100nF 10% 63V
2702	4822 124 40272	33µF 20% 16V
2703	5322 122 32654	22nF 10% 63V
2731	4822 122 33809	22nF 20% 50V
2732	4822 124 40272	33µF 20% 16V
2740	4822 124 40433	47µF 20% 25V
2741	4822 122 33809	22nF 20% 50V

RESISTORS

3000	4822 050 21003	10k 1% 0,6W
3001	4822 050 21003	10k 1% 0,6W
3002	4822 050 21003	10k 1% 0,6W
3003	4822 050 21003	10k 1% 0,6W
3004	4822 050 21003	10k 1% 0,6W
3005	4822 050 21003	10k 1% 0,6W
3007 ⚠	4822 052 10478	4Ω7 5% 0,33W
3008 ⚠	4822 052 10478	4Ω7 5% 0,33W
3009	4822 051 20105	1M 5% 0,1W
3010	4822 050 21003	10k 1% 0,6W
3011	4822 051 20103	10k 5% 0,1W
3012	4822 050 21002	1k 1% 0,6W
3013	4822 050 21002	1k 1% 0,6W
3014	4822 050 28201	820Ω 5% 0,125W
3017	4822 050 21204	120k 1% 0,6W
3018	4822 050 21204	120k 1% 0,6W
3019	4822 050 25603	56k 1% 0,6W
3039	4822 051 10101	100Ω 5% 0,125W
3040	4822 051 10101	100Ω 2% 0,25W
3041	4822 051 20434	430k 5% 0,1W
3042	4822 051 20434	430k 5% 0,1W
3043	4822 051 10182	1k8 5% 0,125W
3044	4822 051 10182	1k8 2% 0,25W
3045	4822 051 10101	100Ω 2% 0,25W
3046	4822 051 20362	3k6 5% 0,1W
3047	4822 050 23903	39k 5% 0,125W
3048	4822 050 21002	1k 1% 0,6W
3049	4822 051 10101	100Ω 2% 0,25W
3050	4822 050 21002	1k 1% 0,6W
3051	4822 050 24301	430Ω 5% 0,125W
3053	4822 051 20334	330k 5% 0,1W
3054	4822 051 20303	30k 5% 0,1W
3055	4822 050 21002	1k 5% 0,125W
3060	4822 051 20103	10k 5% 0,1W
3061	4822 050 26802	6k8 1% 0,6W
3062	4822 051 20153	15k 5% 0,1W
3063	4822 050 21003	10k 1% 0,6W
3064	4822 116 52244	15k 5% 0,5W
3065 ⚠	4822 052 10229	22Ω 5% 0,33W
3066 ⚠	4822 052 10478	4Ω7 5% 0,33W
3067 ⚠	4822 052 10478	4Ω7 5% 0,33W
3070	4822 116 52244	15k 5% 0,5W
3071	4822 051 20103	10k 5% 0,1W
3072	4822 050 26802	6k8 1% 0,6W
3073 ⚠	4822 052 10229	22Ω 5% 0,33W
3074	4822 116 52244	15k 5% 0,5W
3075	4822 050 21003	10k 1% 0,6W
3080	4822 051 20682	6k8 5% 0,1W
3081	4822 050 24702	4k7 1% 0,6W
3082	4822 116 52244	15k 5% 0,5W
3085	4822 050 21003	10k 1% 0,6W
3086 ⚠	4822 052 10229	22Ω 5% 0,33W
3087	4822 116 52244	15k 5% 0,5W
3100	4822 050 22202	2k2 1% 0,6W
3101	4822 050 22203	22k 1% 0,6W
3102	4822 050 22203	22k 1% 0,6W
3103 ⚠	4822 052 10478	4Ω7 5% 0,33W
3105 ⚠	4822 052 10478	4Ω7 5% 0,33W
3106	4822 050 21002	1k 1% 0,6W
3109	4822 050 22202	2k2 1% 0,6W

32

3110	4822 051 20224	220k 5% 0,1W
3111 ⚠	4822 052 10229	22Ω 5% 0,33W
3112	4822 050 22205	2M2 1% 0,6W
3117	4822 051 20182	1k8 5% 0,1W
3118	4822 051 20182	1k8 5% 0,1W
3140	4822 116 52234	100k 5% 0,5W
3141	4822 051 20104	100k 5% 0,1W
3142	4822 051 20473	47k 5% 0,1W
3143 ⚠	4822 052 10229	22Ω 5% 0,33W
3144	4822 050 22203	22k 1% 0,6W
3146	4822 050 21003	10k 1% 0,6W
3147	4822 050 23902	3k9 1% 0,6W
3148	4822 050 24703	47k 1% 0,6W
3251	4822 050 24703	47k 1% 0,6W
3255	4822 051 10561	560Ω 2% 0,25W
3256	4822 051 20621	620Ω 5% 0,1W
3300	4822 050 22203	22k 1% 0,6W
3301	4822 051 20153	15k 5% 0,1W
3302	4822 051 20183	18k 5% 0,1W
3304	4822 051 20123	12k 5% 0,1W
3305 ⚠	4822 052 10109	10Ω 5% 0,33W
3306 ⚠	4822 052 10109	10Ω 5% 0,33W
3307	4822 050 21803	18k 1% 0,6W
3308	4822 050 21203	12k 1% 0,6W
3309	4822 051 20223	22k 5% 0,1W
3310	4822 051 20153	15k 5% 0,1W
3312	4822 050 22203	22k 1% 0,6W
3313	4822 051 20223	22k 5% 0,1W
3314	4822 050 21002	1k 1% 0,6W
3315	4822 050 21002	1k 1% 0,6W
3316	4822 051 20332	3k3 5% 0,1W
3317	4822 051 20332	3k3 5% 0,1W
3360	4822 051 20222	2k2 5% 0,1W
3361	4822 051 20222	2k2 5% 0,1W
3362	4822 050 24702	4k7 1% 0,6W
3364	4822 050 22202	2k2 1% 0,6W
3376	4822 116 52224	470Ω 5% 0,5W
3377	4822 116 52224	470Ω 5% 0,5W
3378	4822 050 22202	2k2 1% 0,6W
3380	4822 101 21199	POTM 2x10k 20% 0,025W
3381	4822 050 21003	10k 1% 0,6W
3382	4822 050 21003	10k 1% 0,6W
3383	4822 116 52244	15k 5% 0,5W
3384	4822 116 52244	15k 5% 0,5W
3385	4822 050 21201	120Ω 1% 0,6W
3386	4822 050 21201	120Ω 1% 0,6W
3408	4822 050 21002	1k 1% 0,6W
3409	4822 050 24703	47k 1% 0,6W
3501	4822 116 52224	470Ω 5% 0,5W
3550	4822 051 10561	560Ω 2% 0,25W
3551	4822 050 21002	1k 1% 0,6W
3552	4822 050 22203	22k 1% 0,6W
3560	4822 050 24703	47k 1% 0,6W
3561	4822 116 52224	470Ω 5% 0,5W
3562	4822 050 22205	2M2 1% 0,6W
3563	4822 050 21003	10k 1% 0,6W
3564	4822 050 13303	33k 1% 0,4W
3565	4822 050 22204	220k 1% 0,6W
3566	4822 050 21002	1k 1% 0,6W
3567	4822 050 22203	22k 1% 0,6W
3568	4822 050 24702	4k7 1% 0,6W
3600	4822 050 24702	4k7 1% 0,6W
3601	4822 050 21203	12k 1% 0,6W
3602	4822 051 20123	12k 5% 0,1W
3603 ⚠	4822 052 10108	1Ω 5% 0,33W
3604	4822 050 21203	12k 1% 0,6W
3605	4822 050 21203	12k 1% 0,6W
3606 ⚠	4822 052 10108	1Ω 5% 0,33W
3607 ⚠	4822 052 10229	22Ω 5% 0,33W
3608 ⚠	4822 052 10108	1Ω 5% 0,33W
3614	4822 050 24703	47k 1% 0,6W
3630	4822 051 20562	5k6 5% 0,1W
3631	4822 050 21203	12k 1% 0,6W
3632	4822 051 20123	12k 5% 0,1W
3633 ⚠	4822 052 10108	1Ω 5% 0,33W
3634	4822 050 21203	12k 1% 0,6W
3635	4822 050 21203	12k 1% 0,6W
3637 ⚠	4822 052 10229	22Ω 5% 0,33W
3638	4822 050 24703	47k 1% 0,6W
3639	4822 050 24703	47k 1% 0,6W
3700	4822 050 22204	220k 1% 0,6W
3701 ⚠	4822 052 10478	4Ω7 5% 0,33W
3706	4822 050 22204	220k 1% 0,6W
3707	5322 111 90473	8x10k 2% NETWORK
3708	4822 051 20473	47k 5% 0,1W
3709	4822 051 20473	47k 5% 0,1W
3712	4822 050 24703	47k 1% 0,6W
3713	4822 051 20473	47k 5% 0,1W
3714	4822 051 20473	47k 5% 0,1W
3715	4822 051 20472	4k7 5% 0,1W
3716	4822 051 20473	47k 5% 0,1W
3717	4822 051 20473	47k 5% 0,1W
3718	4822 050 24703	47k 1% 0,6W
3720	4822 051 20103	10k 5% 0,1W
3721	4822 051 20103	10k 5% 0,1W
3730 ⚠	4822 052 10478	4Ω7 5% 0,33W
3740	4822 050 24703	47k 1% 0,6W
3743 ⚠	4822 052 10109	10Ω 5% 0,33W
3744	4822 051 10101	100Ω 2% 0,25W
3745	4822 050 24703	47k 1% 0,6W
3746	4822 051 20183	18k 5% 0,1W
3747	4822 050 24703	47k 1% 0,6W
3748	4822 050 24703	47k 1% 0,6W
3749	4822 050 24703	47k 1% 0,6W
3750	4822 050 24703	47k 1% 0,6W
3751	4822 050 21002	1k 1% 0,6W
3752	4822 050 21003	10k 1% 0,6W
4002	4822 051 10008	0Ω 5% 0,25W

CONTROL - DISPLAY PANEL CDC925

MISCELLANEOUS

25	4822 256 91908	DISPLAY HOLDER
1400	4822 130 91116	DISPLAY 8-BT-121GK
1403	4822 265 40722	RFK5 CONNECTOR
1404	4822 265 40475	RFK5 CONNECTOR
1408	4822 264 40256	RFK5 CONNECTOR
1411	4822 267 40696	RFK5 CONNECTOR
1420	4822 276 13114	TACT SWITCH
1421	4822 276 13114	TACT SWITCH
1422	4822 276 13114	TACT SWITCH
1423	4822 276 13114	TACT SWITCH
1424	4822 276 13114	TACT SWITCH
1425	4822 276 13114	TACT SWITCH
1426	4822 276 13114	TACT SWITCH
1427	4822 276 13114	TACT SWITCH
1428	4822 276 13114	TACT SWITCH
1429	4822 276 13114	TACT SWITCH
1430	4822 276 13114	TACT SWITCH
1431	4822 276 13114	TACT SWITCH
1432	4822 276 13114	TACT SWITCH
1433	4822 276 13114	TACT SWITCH
1434	4822 276 13114	TACT SWITCH
1435	4822 276 13114	TACT SWITCH
1436	4822 276 13114	TACT SWITCH
1437	4822 276 13213	TACT SWITCH

CRYSTAL

1402	4822 242 72527	RESONATOR 4 MHz

CAPACITORS

2402	5322 124 21643	22µF 20% 40V
2404	5322 124 21643	22µF 20% 40V
2405	4822 122 10166	22nF 30% 16V
2460	4822 122 33809	22nF 20% 50V

RESISTORS

3400	4822 050 22204	220k 1% 0,6W
3401	4822 050 22203	22k 1% 0,6W
3402	4822 050 22203	22k 1% 0,6W
3403	4822 050 22203	22k 1% 0,6W
3404	4822 050 22203	22k 1% 0,6W
3405 ⚠	4822 052 10478	4Ω7 5% 0,33W
3406	4822 050 22203	22k 1% 0,6W
3407 ⚠	4822 052 10108	1Ω 5% 0,33W
3410	4822 116 52234	100k 5% 0,5W
3411	4822 116 52234	100k 5% 0,5W
3412	4822 051 10101	100Ω 2% 0,25W
3413	4822 051 10101	100Ω 2% 0,25W
3460	4822 050 24703	47k 1% 0,6W

DIODES

6420	4822 130 30621	1N4148
6421	4822 130 30621	1N4148
6422	4822 130 30621	1N4148
6423	4822 130 30621	1N4148
6424	4822 130 30621	1N4148

TRANSISTORS & IC's

7400	4822 209 30249	TMP47C212AN
7401	4822 130 40938	BC548
7402	4822 130 40938	BC548
7460	4822 214 51772	GP1U521X

4012	4822 051 10008	0Ω 5% 0,25W
4013	4822 051 10008	0Ω 5% 0,25W
4014	4822 051 10008	0Ω 5% 0,25W
4015	4822 051 10008	0Ω 5% 0,25W
4016	4822 051 10008	0Ω 5% 0,25W
4017	4822 051 10008	0Ω 5% 0,25W
4018	4822 051 10008	0Ω 5% 0,25W
4020	4822 051 10008	0Ω 5% 0,25W
4022	4822 051 10008	0Ω 5% 0,25W
4024	4822 051 10008	0Ω 5% 0,25W
4053	4822 051 10008	0Ω 5% 0,25W
4054	4822 051 10008	0Ω 5% 0,25W
4055	4822 051 10008	0Ω 5% 0,25W

COILS

5250	4822 148 80281	DIG.OUT TRANSFORMER

DIODES

6100	4822 130 30621	1N4148
6500	5322 130 30684	1N4002
6501	5322 130 30684	1N4002
6502	5322 130 30684	1N4002
6503	5322 130 30684	1N4002
6504	5322 130 30684	1N4002
6505	4822 130 31981	BZX79-C3V9
6506	5322 130 32962	BZV85-C6V2
6507	4822 130 34173	BZX79-C5V6
6550	4822 130 31981	BZX79-C3V9
6560	4822 130 30621	1N4148
6561	4822 130 30621	1N4148
6562	5322 130 30684	1N4002
6563	5322 130 30684	1N4002
6564	4822 130 30621	1N4148
6565	4822 130 34278	BZX79-F6V8
6566	4822 130 31981	BZX79-C3V9

TRANSISTORS & IC's

7000		4822 209 31064	TDA1301T/N1
7040	⚠	5322 130 41982	BC848B
7041		5322 130 41983	BC858B
7042	⚠	5322 130 41982	BC848B
7043	⚠	5322 130 41982	BC848B
7044		4822 130 60887	BF840
7060		4822 209 72587	TCA0372DP2
7080		4822 209 72587	TCA0372DP2
7101		4822 209 63925	FCB61C65L-70T
7102		4822 209 30388	SAA7341GP
7140		5322 130 42012	BC858
7141		4822 130 61207	BC848
7300		4822 209 83163	LM833N
7360		4822 130 42696	BC818-25
7361		4822 130 42696	BC818-25
7362		4822 130 61207	BC848
7371		4822 130 42696	BC818-25
7372		4822 130 42696	BC818-25
7380		4822 209 82362	NJM4556D
7500		4822 209 31257	MC79L24ACP
7501	⚠	4822 209 71579	TY40408
7502	⚠	4822 209 71579	TY40408
7503		4822 130 42675	BC818
7550		5322 130 42012	BC858
7560		4822 130 61207	BC848
7561		5322 130 42012	BC858
7562		5322 130 42012	BC858
7600		4822 209 72587	TCA0372DP2
7700		4822 209 31353	MC68HC05D24P-P140
7701		4822 130 83031	BPW85
7730		4822 209 62524	X24C16P
7740		5322 130 42012	BC858
7741		4822 130 61207	BC848
7742		4822 130 61207	BC848
7743		5322 130 42012	BC858

CONTROL - DISPLAY PANEL CDC935

MISCELLANEOUS

25	4822 256 91909	DISPLAY HOLDER
1402	4822 130 91117	DISPLAY 8-BT-106GK
1403	4822 267 50723	RFK5 CONNECTOR
1404	4822 265 40475	RFK5 CONNECTOR
1408	4822 264 40256	RFK5 CONNECTOR
1411	4822 267 40696	RFK5 CONNECTOR
1420	4822 276 13114	TACT SWITCH
1421	4822 276 13114	TACT SWITCH
1422	4822 276 13114	TACT SWITCH
1423	4822 276 13114	TACT SWITCH
1424	4822 276 13114	TACT SWITCH
1425	4822 276 13213	TACT SWITCH
1426	4822 276 13114	TACT SWITCH
1427	4822 276 13114	TACT SWITCH
1428	4822 276 13114	TACT SWITCH
1429	4822 276 13114	TACT SWITCH
1430	4822 276 13114	TACT SWITCH
1431	4822 276 13114	TACT SWITCH
1432	4822 276 13114	TACT SWITCH
1433	4822 276 13114	TACT SWITCH
1434	4822 276 13114	TACT SWITCH
1435	4822 276 13114	TACT SWITCH
1436	4822 276 13114	TACT SWITCH
1437	4822 276 13114	TACT SWITCH
1455	4822 276 13114	TACT SWITCH
1456	4822 276 13114	TACT SWITCH
1457	4822 276 13114	TACT SWITCH
1458	4822 276 13114	TACT SWITCH

CRYSTAL

1401	4822 242 81002	RESONATOR 6 MHz

CAPACITORS

2401	5322 124 21643	22µF 20% 40V
2402	4822 122 10166	22nF 30% 16V
2403	4822 122 10166	22nF 30% 16V
2407	4822 122 10166	22nF 30% 16V
2460	4822 122 33809	22nF 20% 50V

RESISTORS

3401	⚠	4822 052 10478	4Ω7 5% 0,33W
3402	⚠	4822 052 10478	4Ω7 5% 0,33W
3404		4822 050 22203	22k 1% 0,6W
3405		4822 050 22203	22k 1% 0,6W
3406		4822 050 22203	22k 1% 0,6W
3407		4822 050 22203	22k 1% 0,6W
3408		4822 050 22203	22k 1% 0,6W
3409		4822 050 22203	22k 1% 0.6W
3410		4822 116 52234	100k 5% 0,5W
3411		4822 051 10101	100Ω 2% 0,25W
3412		4822 050 24702	4k7 1% 0,6W
3414		5322 111 90473	8x10k 2% NETWORK
3415		4822 116 52235	1M 5% 0.5W
3460		4822 050 24703	47k 1% 0,6W

DIODES

6420	4822 130 30621	1N4148
6421	4822 130 30621	1N4148
6422	4822 130 30621	1N4148
6423	4822 130 30621	1N4148
6424	4822 130 30621	1N4148
6428	4822 130 30621	1N4148

TRANSISTORS & IC's

7401	4822 209 31251	TMP47C670P-FTDD007
7403	4822 209 60886	UDN-2580A
7405	4822 130 40941	BC558
7460	4822 214 51772	GP1U521X

KEYBOARD PANEL

MISCELLANEOUS

1439	4822 276 13114	TACT SWITCH
1440	4822 276 13213	TACT SWITCH
1441	4822 276 13114	TACT SWITCH
1442	4822 276 13213	TACT SWITCH
1443	4822 276 13213	TACT SWITCH
1444	4822 276 13213	TACT SWITCH
1445	4822 276 13213	TACT SWITCH
1446	4822 276 13213	TACT SWITCH
1447	4822 276 13213	TACT SWITCH
1448	4822 276 13114	TACT SWITCH
1449	4822 276 13114	TACT SWITCH
1450	4822 276 13114	TACT SWITCH
1451	4822 276 13213	TACT SWITCH
1452	4822 276 13213	TACT SWITCH
1453	4822 276 13213	TACT SWITCH
1454	4822 276 13213	TACT SWITCH

DIODES

6425	4822 130 30621	1N4148
6426	4822 130 30621	1N4148
6427	4822 130 30621	1N4148

MAINS VOLTAGE

24	⚠	4822 256 30403	FUSE HOLDER /01
1501	⚠	4822 253 30322	FUSE T200mA /17
1501	⚠	4822 070 31001	FUSE T100mA
1543	⚠	4822 277 11237	VOLTAGE SELECTOR /01
5500	⚠	4822 146 31104	MAINSTRANSFORMER /17
5500	⚠	4822 146 31102	MAINSTRANSFORMER